

LCR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |                |   |               |                    |          |
|---|----------------|---|---------------|--------------------|----------|
| 1a. TYPE OF WORK<br><b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>   |                | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-014903                             |               |                    |          |
| b. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |               |                    |          |
| 2. NAME OF OPERATOR<br>Union Oil Company of California  |                | 7. UNIT AGREEMENT NAME  |               |                    |          |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 2620 - Casper, WY 82602-2620  |                | 8. FARM OR LEASE NAME<br>Lisbon   |               |                    |          |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>1830' FSL & 2450' FWL (NE SW)<br>At proposed prod. zone<br>2682' FSL & 2342' FWL                         |                | 9. WELL NO.<br>B-810  |               |                    |          |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>Approximately 35 miles southeast of Moab, Utah   |                | 10. FIELD AND POOL, OR WILDCAT<br>Lisbon                                    |               |                    |          |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.<br>(Also to nearest drig. unit line, if any) - None   |                | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 10, T.30S., R.24E. |               |                    |          |
| 18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>1600'  |                | 12. COUNTY OR PARISH<br>San Juan  |               |                    |          |
| 16. NO. OF ACRES IN LEASE<br>880  |                | 13. STATE<br>Utah   |               |                    |          |
| 19. PROPOSED DEPTH<br>9140'   |                | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>160                               |               |                    |          |
| 20. ROTARY OR CABLE TOOLS<br>Rotary   |                | 21. APPROX. DATE WORK WILL START*<br>Immediately Upon Approval              |               |                    |          |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6414' GR (Ungraded)   |                | 22. APPROX. DATE WORK WILL START*<br>Immediately Upon Approval              |               |                    |          |
| 23. PROPOSED CASING AND CEMENTING PROGRAM   |                |   |               |                    |          |
| SIZE OF HOLE  | SIZE OF CASING | WEIGHT PER FOOT   | SETTING DEPTH | QUANTITY OF CEMENT | Expected |
| 17-1/2"   | 13-3/8"        | 48#   | 50'           | 10 sx              | Cmt. Top |
| 12-1/4"   | 9-5/8"         | 36#   | 1000'         | ±435 sx            | Surface  |
| 8-3/4"  | 5-1/2"         | 17#   | 9140'         | ±865 sx            | Surface  |
|   |                |   |               |                    | 3850'    |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John R. Underhill TITLE District Drilling Supt. DATE 6-8-88  
(This space for Federal or State office use)  
PERMIT NO. 43-037-31433 APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/Gene Nodine TITLE District Manager DATE 7/14/88  
CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

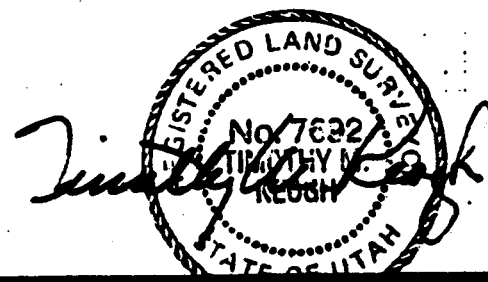
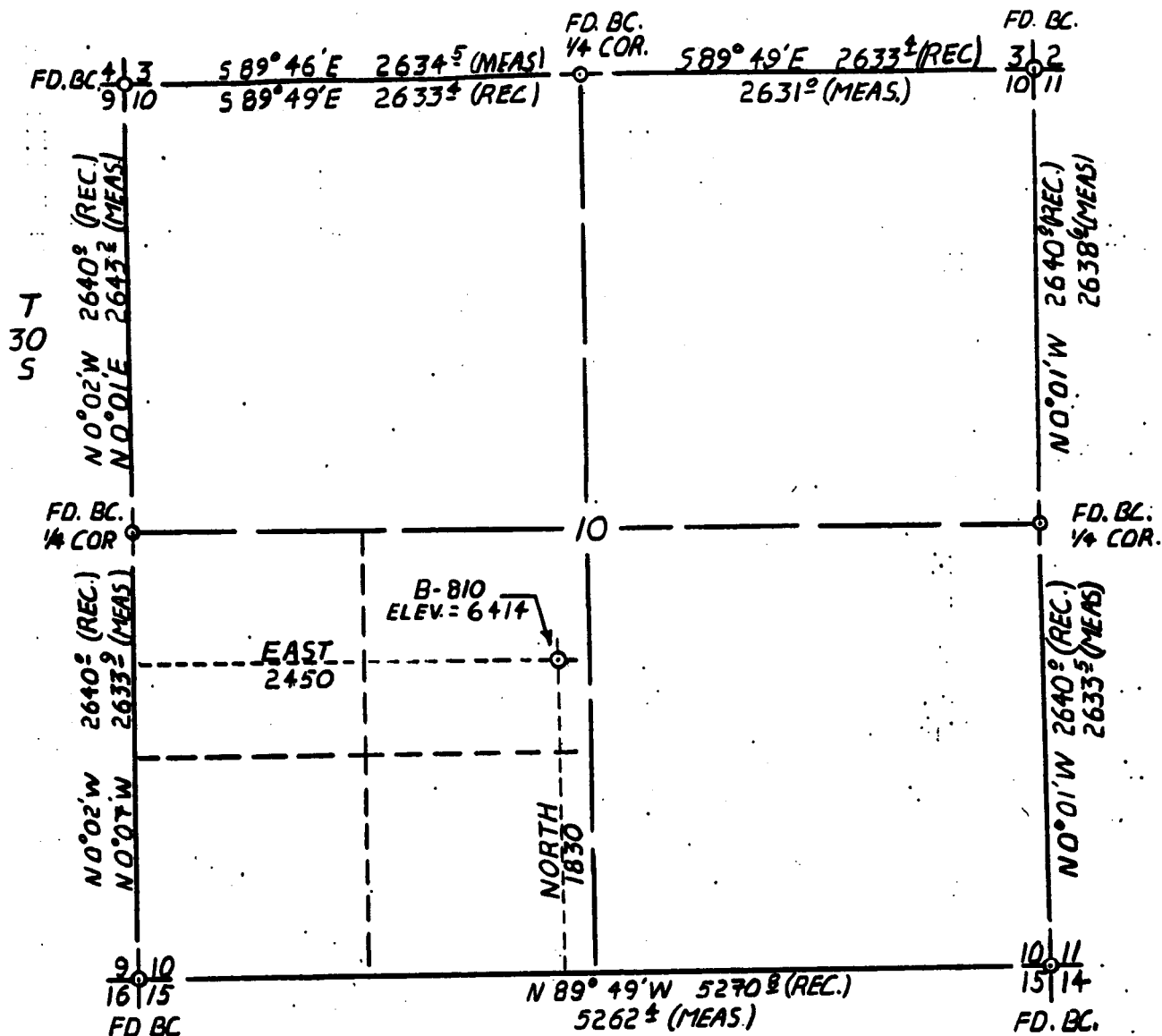
CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH-DOGM

R 24 E



**KEOGH LAND SURVEYING**

BOX 396

MOAB, UTAH



SCALE: 1" = 1000'

DATE: 4-22-88

DRAWN BY: *Mah*

FIELD BOOK No: 84

WELL LOCATION PLAT OF  
 B-810 IN THE NE 1/4 SW 1/4, SEC. 10  
 T 30 S, R 24 E, SLB & M.  
 SAN JUAN CO., UTAH  
 ELEV. BY VERT. ANGLES FROM U.S.G.S.  
 TOPO. QUAD "HATCH ROCK UTAH" 1954  
 (S.W. COR., SEC. 10 = 6240)

1 of 3



# UNOCAL 76

June 8, 1988

Oil and Gas Conservation Commission  
State of Utah  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ron Firth, Director

RE: Spacing Exception  
Proposed Lisbon Well B-810  
Lisbon Field  
San Juan County, Utah  
(Lease No. U-014903)

Gentlemen:

It is requested that, for topographic reasons, a spacing exception be granted for the proposed Lisbon Field well #B-810. The proposed surface location is 1830' FSL, 2450' FWL, Section 10, T.30S., R.24E. In order to have a legal location, it would be necessary to move the location 270' to the west thereby placing it in a canyon wall. Union Oil Company of California is the only working interest owner in this Federal lease (U-014903) except within the unitized Mississippian Formation where Enron holds a 25% working interest. The proposed development well B-810 will be drilled for the deeper stratigraphic horizon, Devonian McCracken sandstone. At the proposed bottom hole location, well B-810 is expected to be at 2497' FNL, 2260' FWL, Section 10, T.30S., R.24E., approximately 943' east of Federal lease U-015445 in which Union Oil and Mobil Oil Corporation are 50%/50% working interest owners.

Please find enclosed three copies of our Application for Permit to Drill the Lisbon Well No. B-810. Your consideration in this matter is respectfully requested.

Very truly yours,  
UNION OIL COMPANY OF CALIFORNIA



C. A. Schile  
District Development Geologist

CAS/tc

Union Oil Company of California  
Well No. Lisbon B-810  
Sec. 10, T. 30 S., R. 24 E.  
San Juan County, Utah  
Lease U-014903

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Union Oil Company of California is the bonded entity on this application. Liability will remain with the bonded party named until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

#### A. DRILLING PROGRAM

BOP Specification and Testing:

All ram-type preventers will be tested to the rated working pressure of the stack or to 70% of the internal yield of the surface casing, whichever is less prior to drilling out of surface casing.

The annular-type preventer will be tested to 50% of its rated working pressure.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the District Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with

the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of

approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease Number", "Well number", location of well by 1/41/4 section, township, and range.

## B. SURFACE USE PROGRAM

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance:

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to the appropriate rental, or other financial obligation determined by the authorized officer.

Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

Trees will be piled on the lower shelf below pit area.

The reserve pit width will be reduced by 20 feet from the original survey.

Enough dirt needs to be reserved so that the pit area can be reconstructed to a 3 or 4:1 slope suitable for revegetation.

A berm should be constructed on the road above the NE corner of the pad to protect vehicles using the existing road above the location.

### NOTIFICATIONS

Notify the Grand Resource Area, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to pressure testing of BOPE.

Your contact with the Grand Resource Area Office is:

Jeff Robbins

Office Phone (801) 259-8193

Home Phone (801) 259-7964

Grand Resource Area office address:

Grand Resource Area  
Sand Flats Road, P.O. Box M  
Moab, Utah 84532

Notify the Moab District Office, Branch of Fluid Minerals, at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer

Office Phone: (801) 259-6111

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone (801) 259-6111  
Home Phone (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone (801) 259-6111  
Home Phone (801) 259-7018

24 hours advance notice is required for all abandonments.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1830' FSL & 2450' FWL (NE SW)

At proposed prod. zone

2682' FSL & 2342' FWL (SE NW)

DIVISION OF  
OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 35 miles southeast of Moab, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) - None

- 1130'

16. NO. OF ACRES IN LEASE

880

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1600'

19. PROPOSED DEPTH

9140' *inch*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6414' GR (Ungraded)

22. APPROX. DATE WORK WILL START\*

Immediately Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT | Expected<br>Cmt. Top |
|--------------|----------------|-----------------|---------------|--------------------|----------------------|
| 17-1/2"      | 13-3/8"        | 48#             | 50'           | 10 sx              | Surface              |
| 12-1/4"      | 9-5/8"         | 36#             | 1000'         | ±435 sx            | Surface              |
| 8-3/4"       | 5-1/2"         | 17#             | 9140'         | ±865 sx            | 3850'                |

Proposed Drilling Program:

Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to approximate total depth of 9140'. Run logs. If logs indicate production, run and cement 5-1/2" casing, perforate, and test zones that may be productive. Complete with 2-7/8" tubing.

The BOP will be operationally tested daily and each test logged.

Note: Bond No. U-73310 (Federal Nationwide)

Copy of letter to State requesting spacing exception is attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*John R. Underhill*

TITLE District Drilling Supt.

DATE 6-8-88

(This space for Federal or State office use)

PERMIT NO.

43-037-31433

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

APPROVED BY

TITLE

DATE: 6-20-88

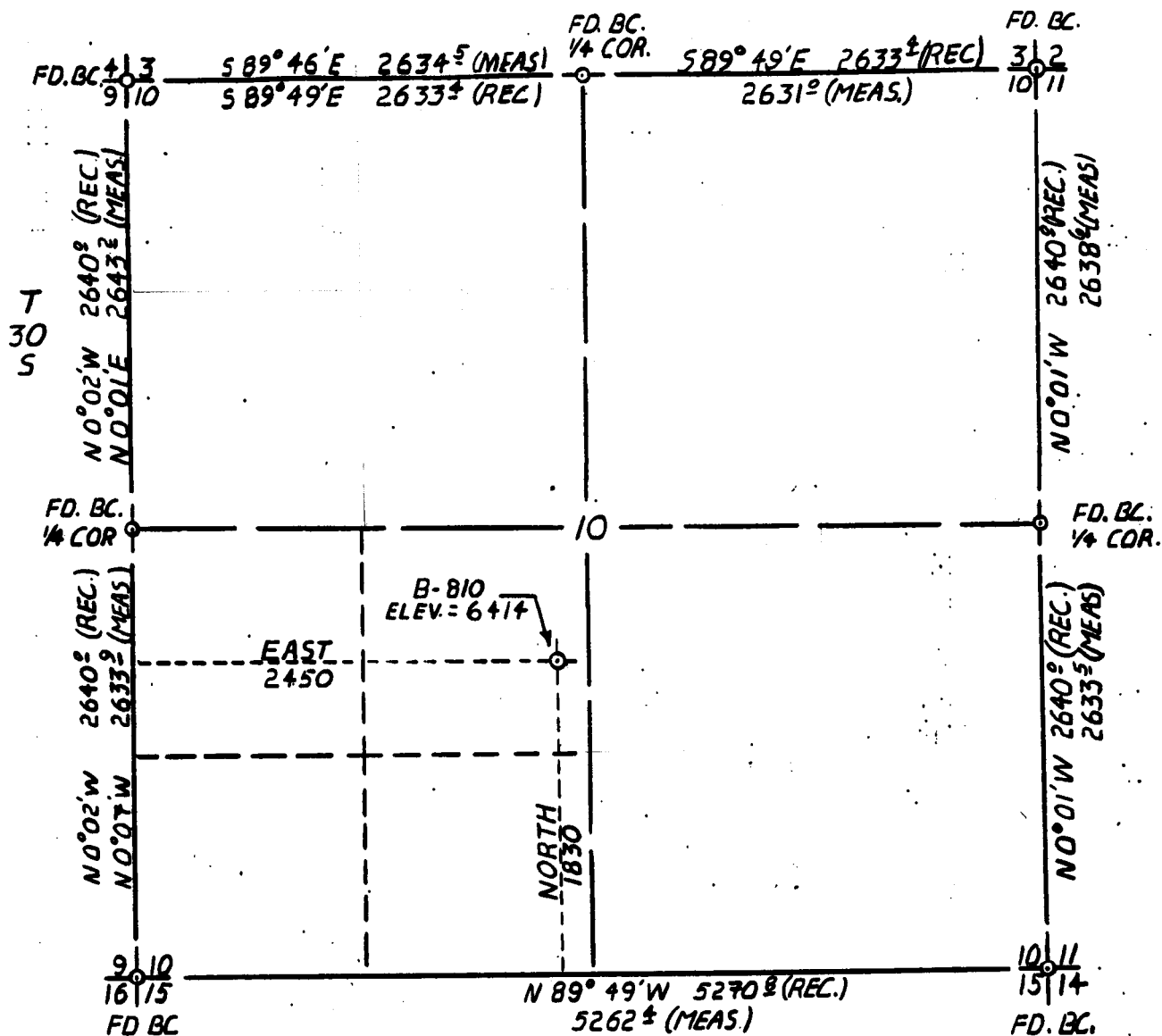
BY: *John R. Bay*

WELL SPACING: *R615-3-3*

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

R 24 E



**KEOGH LAND SURVEYING**

BOX 396

MOAB, UTAH



SCALE: 1" = 1000'

DATE: 4-22-88

DRAWN BY: *Mah*

FIELD BOOK No: 84

WELL LOCATION PLAT OF  
B-810 IN THE NE 1/4 SW 1/4, SEC. 10  
T 30 S, R 24 E, S 1 B 1 M.  
SAN JUAN CO., UTAH

ELEV. BY VERT. ANGLES FROM USGS.  
TOPO. QUAD "HATCH ROCK UTAH," 1954  
(S.W. COR., SEC. 10 = 6240)

1 of 3



Unocal Oil & Gas Division  
Unocal Corporation  
900 Werner Court, P.O. Box 2620  
Casper, Wyoming 82602-2620  
Telephone (307) 234-1563



June 8, 1988

Oil and Gas Conservation Commission  
State of Utah  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ron Firth, Director

RECEIVED  
JUN 13 1988

DIVISION OF  
OIL, GAS & MINING

RE: Spacing Exception  
Proposed Lisbon Well B-810  
Lisbon Field  
San Juan County, Utah  
(Lease No. U-014903)

Gentlemen:

It is requested that, for topographic reasons, a spacing exception be granted for the proposed Lisbon Field well #B-810. The proposed surface location is 1830' FSL, 2450' FWL, Section 10, T.30S., R.24E. In order to have a legal location, it would be necessary to move the location 270' to the west thereby placing it in a canyon wall. Union Oil Company of California is the only working interest owner in this Federal lease (U-014903) except within the unitized Mississippian Formation where Enron holds a 25% working interest. The proposed development well B-810 will be drilled for the deeper stratigraphic horizon, Devonian McCracken sandstone. At the proposed bottom hole location, well B-810 is expected to be at 2497' FNL, 2260' FWL, Section 10, T.30S., R.24E., approximately 943' east of Federal lease U-015445 in which Union Oil and Mobil Oil Corporation are 50%/50% working interest owners.

Please find enclosed three copies of our Application for Permit to Drill the Lisbon Well No. B-810. Your consideration in this matter is respectfully requested.

Very truly yours,  
UNION OIL COMPANY OF CALIFORNIA

C. A. Schile  
District Development Geologist

CAS/tc

UNION OIL COMPANY OF CALIFORNIA

Lisbon Well No. B-810  
Sec. 10, T.30S., R.24E.  
San Juan County, Utah

A. DRILLING PROGRAM

1. Surface Formation: Wingate

Estimated Tops of Geological Markers:

Ungraded Ground Elevation - 6414'

| <u>Formation</u> | <u>Depth Below G.L. (MD)</u> |
|------------------|------------------------------|
| Hermosa Group    | 2,367'                       |
| La Sal           | 3,406'                       |
| Paradox          | 3,981'                       |
| Paradox Salt     | 4,304'                       |
| Base of Salt     | 7,627'                       |
| Redwall          | 7,866'                       |
| Ouray            | 8,275'                       |
| Elbert           | 8,420'                       |
| McCracken        | 8,532'                       |
| Aneth            | 8,645'                       |
| Lynch            | 8,711'                       |
| Ophir            | 9,077'                       |
| Total Depth      | 9,140'                       |

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral-Bearing Zones Are Expected to Be Encountered:

|                            | <u>Formation</u> | <u>Top</u> | <u>Bottom</u> |
|----------------------------|------------------|------------|---------------|
| <u>Expected Oil Zones:</u> | Hermosa Group    | 2,367'     | 3,406'        |
|                            | Elbert           | 8,420'     | 8,532'        |
|                            | McCracken        | 8,532'     | 8,645'        |
|                            | Lynch            | 8,711'     | 9,077'        |
| <u>Expected Gas Zones:</u> | Redwall          | 7,866'     | 8,275'        |
|                            | Lynch            | 8,711'     | 9,077'        |

Expected Water Zones: May encounter water flows from surface to 3,981'.

Expected Mineral Zone: Paradox (Potash) - 3,981' (Top)

3. Pressure Control BOP's: (See Attachment Nos. 1, 2, and 3)

Wellhead:

Casing Head: 9-5/8" x 10" - 3000 psi W.P.

BOP Stack:

One double-gate BOP with 4-1/2" pipe rams and blind rams.

One choke manifold with adjustable and positive chokes.

The BOP and choke manifold will be rated at 3000 psi.

Test:

The BOP's and choke manifold, and casing will be pressure tested to 1000 psi for 30 minutes before drilling cement on surface casing. BOP's will be operationally tested daily and each test will be logged in the IADC Daily Drilling Report.

4. Casing Program:

Conductor - 13-3/8" @ 50'

(Mud Wt. 9.6 ppg)

| <u>Depth</u> | <u>Size</u> | <u>Weight</u> | <u>Grade</u> | <u>Thread</u> | <u>New/Used</u> |
|--------------|-------------|---------------|--------------|---------------|-----------------|
| 0-50'        | 13-3/8"     | 48#           | H-40         | Welded        | New             |

Surface Casing - 9-5/8" @ 1000'

(Mud Wt. 9.6 ppg)

| <u>Depth</u> | <u>Size</u> | <u>Weight</u> | <u>Grade</u> | <u>Thread</u> | <u>New/Used</u> |
|--------------|-------------|---------------|--------------|---------------|-----------------|
| 0-1000'      | 9-5/8"      | 36#           | K-55         | ST&C          | New             |

Production Casing - 5-1/2" @ 9140'

(Mud Wt. 10.3 ppg)

| <u>Depth</u> | <u>Size</u> | <u>Weight</u> | <u>Grade</u>         | <u>Thread</u> | <u>New/Used</u> |
|--------------|-------------|---------------|----------------------|---------------|-----------------|
| 0-9140'      | 5-1/2"      | 17#           | L-80/SS-95<br>& K-55 | LT&C          | New             |

Note: Cement top for production casing will cover the Potash zone in the Paradox formation (estimated cement top is 3900').

Minimum Safety Factors

Collapse: 1.125  
Tension: 1.8  
Burst: 1.0

5. Drilling Fluid:

| <u>Depth</u> | <u>Type</u> | <u>Weight</u> | <u>Vis</u> | <u>F.L.</u> |
|--------------|-------------|---------------|------------|-------------|
| 0-1000'      | Gel/Lime    | 9.2-9.6       | 45-65      | N.C.        |
| 1000-4250'   | Fresh Mud   | 9.6           | 40         | 10          |
| 4250'-T.D.   | Salt Mud    | 10.0-10.3     | 40-45      | 8-10        |

Sufficient materials to maintain mud requirements and to meet minor lost circulation and threatened blowout conditions shall be stored at the location.

6. Testing, Logging, and Coring Program:

DST's: None planned.

Logging: A Dual Laterolog-MSFL-Gamma Ray and Caliper will be run from bottom of surface casing to T.D.

LDT-CNL-NGT and Caliper will be run from 1500' to 4350' and from 7500' to T.D.

BHC Sonic will be run from 7500' to T.D.

A Cyberlook will be run in selected zones.

Cores: None planned.

Completion:

All productive zones will be selectively perforated, treated with 50-100 gallons of 15% HCl per foot of perforations, and tested. If the McCracken formation is productive, a hydraulic fracture treatment will be proposed.

7. Abnormal Pressures, Temperatures, and Potential Hazards:

No abnormal temperatures or pressures are anticipated.

| <u>Formation</u> | <u>Estimated Reservoir Pressures</u> |
|------------------|--------------------------------------|
| Redwall          | 2500 psi                             |
| Elbert           | 2600 psi                             |
| McCracken        | 2600 psi                             |
| Lynch            | 2600 psi                             |

Normal temperature gradients are anticipated.

Hydrogen sulfide gas will be present in the Mississippian Redwall and Elbert formations. The Redwall and Elbert formations are normal pressure gradient formations and the mud column weight should be more than sufficient to prevent free hydrogen sulfide from reaching the surface. Hydrogen sulfide scavengers will be added to the mud prior to drilling the Paradox formation. The pH of the mud will be maintained at a high level for corrosion protection. Fresh air breathing equipment will be installed at the rig site and all personnel will be trained in the use of the equipment. Hydrogen sulfide detection equipment and the warning flags will be in place and operational before drilling into the Paradox formation. An H<sub>2</sub>S Contingency Plan is also included for approval.

8. Additional Information:

Starting Date:

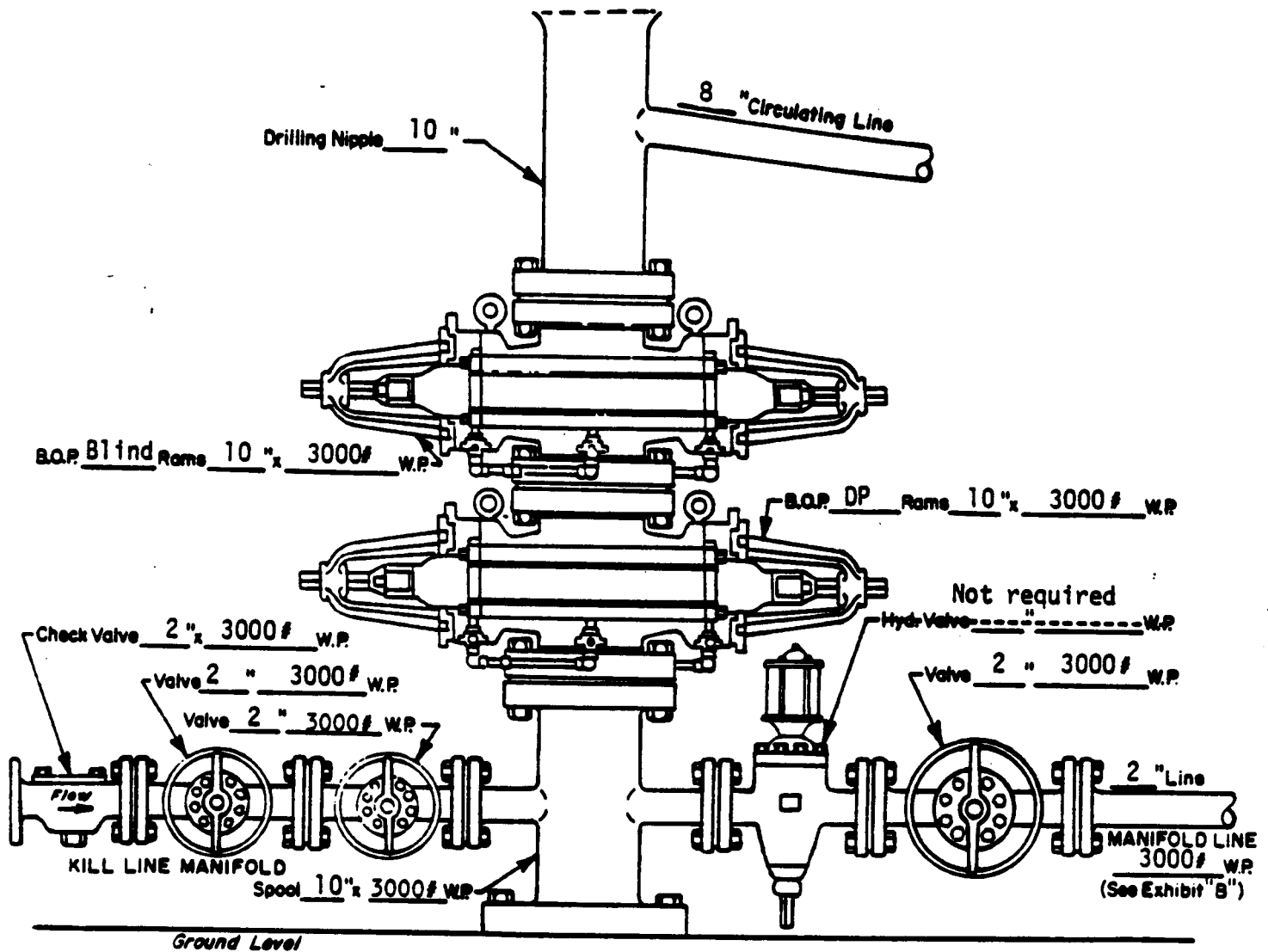
The Grand Resource Area Office will be contacted 48 hours before dirt work begins. (Telephone No. - (801) 259-6111)

Road and location work will begin as soon as approval has been received from the Bureau of Land Management, weather permitting. Drilling should commence immediately upon approval of the APD.

Duration of Operations:      Drilling - 50 days

Completion - 10 days

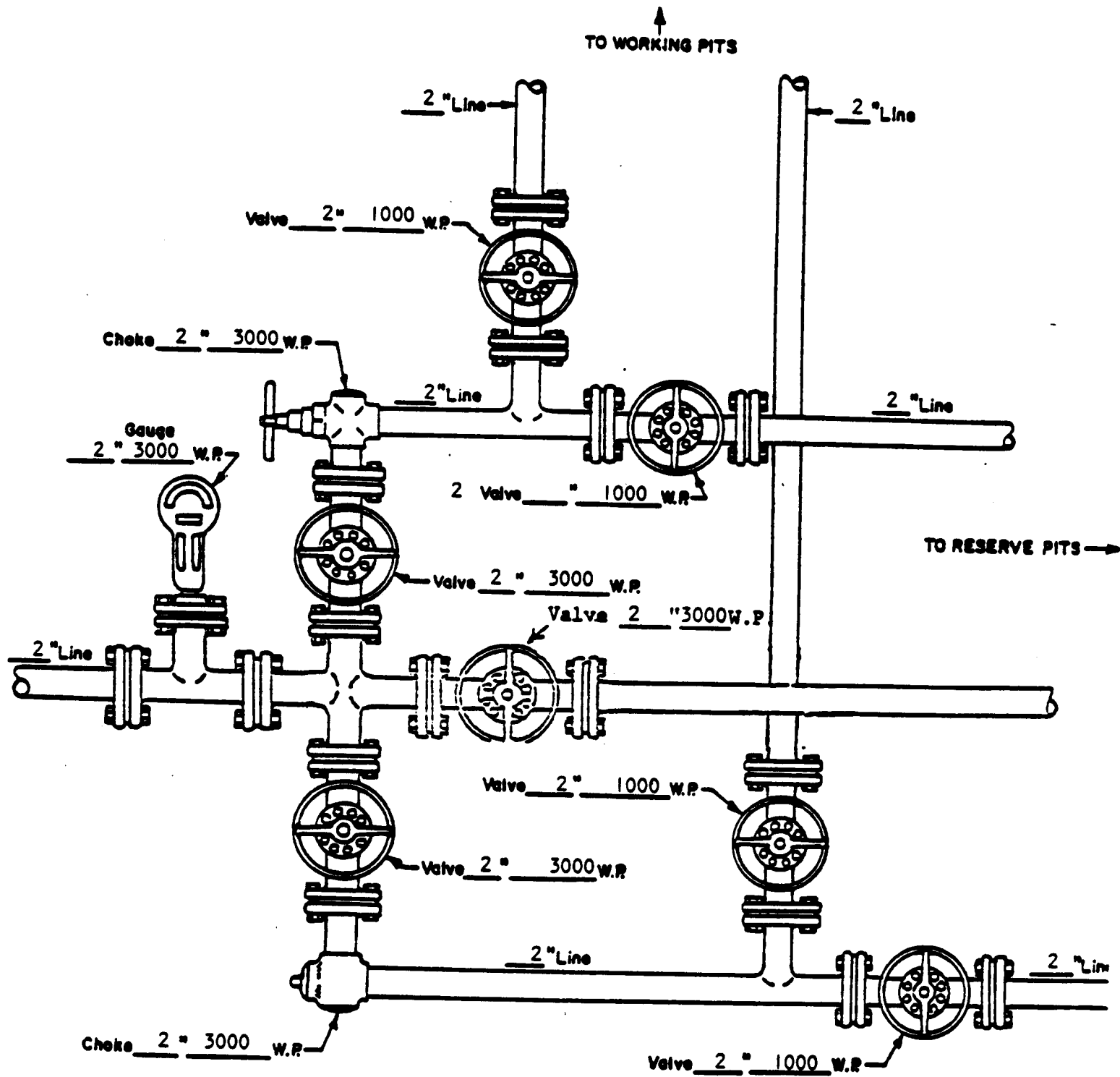
Lisbon Well No. B-810  
San Juan County, Utah



WELL HEAD B.O.P.  
3000 #W.P.

☐ Manual  
☒ Hydraulic

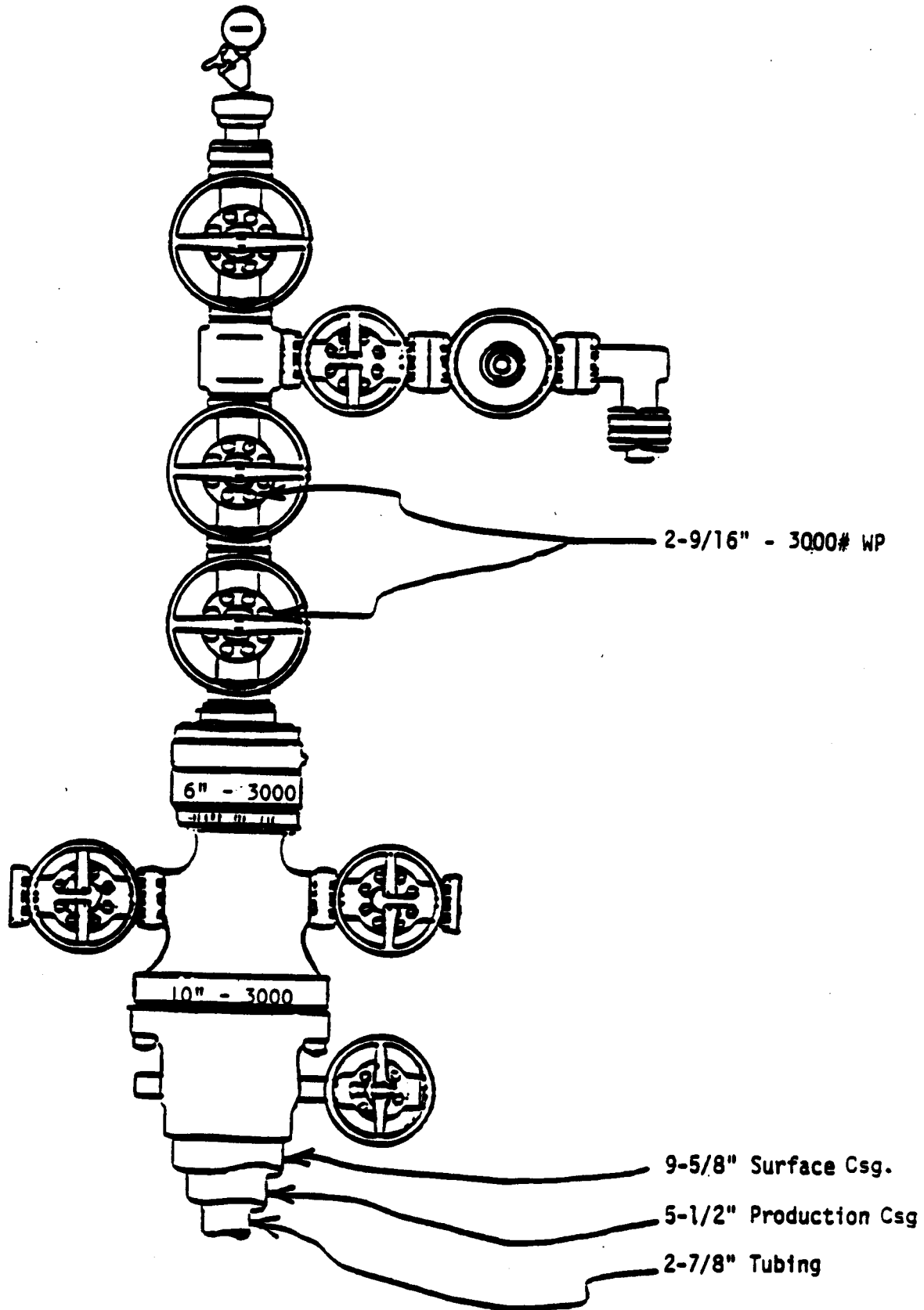
Lisbon Well No. B-810  
San Juan County, Utah



MANIFOLD  
 3000 #W.P.

☒ Manuel  
☐ Hydraulic

Lisbon Well No. B-810  
San Juan County, Utah



Attachment No. 3



UNION OIL COMPANY OF CALIFORNIA

Lisbon Well No. B-810  
Sec. 10, T.30S., R.24E.  
San Juan County, Utah

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. The proposed well is approximately 37 miles south and east of Moab, Utah. The well site as staked is shown on the surveyor's plat. Four directional reference points have been staked.
- b. From Moab, Utah, proceed 30 miles south on Highway No. 163 and turn left on the Lisbon Industrial Park Road. Proceed five miles east on blacktop to junction at the Union 76 sign and continue east and south for 0.9 mile to the bottom of the canyon that leads to the Big Buck Mine. Continue straight across a large culvert, then turn left and go 0.5 mile up the ridge on an existing lease road, going past Union's "core" house on the right, to the location.
- c. An existing lease road leads to the location. No new access road will be required. (See Attachment No. 4)
- d. Existing roads are shown on Attachment No. 4.
- e. The existing county road will be maintained at a standard equal to or better than the condition of the road prior to the start of operations, weather conditions permitting. At the conclusion of drilling and completion operations, the road will be repaired and restored to a standard equal to or better than the condition at the start of operations.
- f. An encroachment permit will be applied for with the San Juan County Road Department.
- g. Signs will be posted at the mouth and head of the canyon, warning of possible heavy truck traffic.

2. Planned Access Roads:

No new access road will be required. An existing access road leads to the proposed location.

3. Location of Existing Wells:

Attachment No. 5 shows producing wells, water wells and abandoned wells within one mile of Lisbon Well No. B-810.

- |                                     |                          |
|-------------------------------------|--------------------------|
| (1) Water Wells - 0                 | (6) Producing Wells - 8  |
| (2) Abandoned Wells - 1             | (7) Shut-In Wells - 4    |
| (3) Temporarily Abandoned Wells - 0 | (8) Injection Wells - 2  |
| (4) Disposal Wells - 0              | (9) Monitoring Wells - 0 |
| (5) Drilling Wells - 0              |                          |

4. Location of Existing and/or Proposed Facilities: (Attachment No. 6)

- a.
  - (1) Tank Batteries: 2
  - (2) Production Facilities: 0
  - (3) Oil Gathering Lines: 6 steel flow lines
  - (4) Gas Gathering Lines: 1 steel flow line
  - (5) Injection Lines: 4 steel gas lines
  - (6) Disposal Lines: 0
  - (7) Nitrogen Plants: 0
- b.
  - (1) All permanent production facilities will be painted one of the following colors: Largo Red, Brush Brown, or Desert Brown.
  - (2) The production pad will be 325' x 210'. (See Attachment No. 6)
  - (3) No outside construction materials should be necessary.
  - (4) All equipment will either be fenced or have metal guards in place. One emergency pit will be required. It will be fenced.
  - (5) A 1500', 6" gas gathering line to the main gathering line is proposed. This is shown on Attachment No. 6. The tank battery will be surrounded by a dike sufficient to hold 1-1/2 times the capacity of the storage tanks.
  - (6) All site security regulations will be adhered to.
- c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is complete:
  - (1) The reserve pit will be fenced. When the reserve pit is dry, the pit will be backfilled and the fence will be removed.
  - (2) The area of the drill site not needed for production operations, including the reserve pit, will be recontoured to the natural level. The topsoil will be redistributed and will be reseeded with a recommended BLM seed mixture. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

Note

The BLM, Grand Resource Area, will be notified at (801) 259-6111 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

5. Location and Type of Water Supply:

- a. The well will be drilled with fresh water from a commercial pond 6-1/2 miles from the location and salt brine water from the Moab Brine Company.
- b. The water will be hauled by truck to the location along the existing road.
- c. No water well is proposed.

6. Source of Construction Materials:

- a. The proposed location will utilize soil material which is on the location. No construction materials will be needed.
- b. Topsoil from the location will be stockpiled at the wellsite for restoration purposes. The soil material will be obtained from the immediate area of the drilling operations and will be used to fill in the low areas. (See Attachment No. 9)

7. Methods for Handling Waste Disposal:

- a. The reserve pit will not be lined. Cuttings will be buried in the reserve pit. Prior to drilling, the reserve pit will be fenced on three sides with four strands of barbed wire.
- b. Drilling fluids will be disposed of in the reserve pit. The water will be allowed to evaporate and the remaining solids will be buried.
- c. In the event of a producing well, produced fluids will be handled in a tank battery on the location. Produced water will be disposed of in accordance with NTL-2B.
- d. Chemical toilets will be utilized.
- e. Garbage and other waste material will be disposed of in a portable trash cage which will be completely enclosed with small mesh wire. The trash will be hauled to an approved landfill or incinerated off-site.
- f. If burning is required, a burning permit will be obtained from the State Fire Warden, John Baker - Telephone No. 801-587-2705.

- g. When the rig moves out, all extraneous material will be disposed of as garbage or hauled to town. When the pits have dried, they will be backfilled and recontoured.

8. Ancillary Facilities:

No camps or airstrips will be needed.

9. Well Site Layout: (See Attachment Nos. 7, 8, and 9)

- a. Maximum cut will be 30'. Maximum fill will be 30'. Depending on the size of the drilling rig, the well site dimensions will be reduced and therefore the maximum cut will be reduced.
- b. No living facilities will be installed; however, two trailer houses will be on location for company personnel.
- c. The pits will not be lined.

10. Plans for Restoration of Surface: (See Attachment No. 6)

a. Backfilling, leveling, contouring, and waste disposal:

After the reserve pit is dry, the pits and unused portion of the location will be backfilled, leveled, and contoured to the natural level. The topsoil will be redistributed over the area.

b. Revegetation and rehabilitation:

The location will be reseeded with a recommended BLM seed mixture as per BLM specifications.

c. Care of pits prior to rig release:

Prior to rig release, pits will be fenced and so maintained until cleanup.

d. If oil is on the pit, it will be removed.

- e. Immediately following the completion of operations, cleanup will commence. As soon as the pit is completely dry, the pit will be filled and cleanup finalized. Seed will be broadcast in the fall of the year.

11. Surface Ownership:

The land is federally owned and is administered by the BLM.

12. Other Information:

a. Topography, soil characteristics, geologic features, etc:

The terrain surrounding the location is a semi-arid, desert-type country. The location lies on a high ridge. Cedar, sage, and desert grasses grow on the rocky, sparse topsoil. The location consists of a solid rock outcrop of sandstone. Rabbits, mule deer, and lizards are typical fauna.

b. Other surface-use activities and surface ownership of all involved lands:

The surface is used for livestock grazing and is administered by the Bureau of Land Management. The land is federally owned.

c. Proximity of water, occupied dwellings, archeological, historical or cultural sites:

There are no reservoirs or flowing streams in the immediate area of this lease.

An archeological survey has been made and a copy is attached.

d. The MiVida Mine will be notified if blasting is required while building the location. Contact Mr. Charles Person, Safety Director at (801) 259-5904.

13. a. Operator's Field Representative:

Jim Benson  
Union Oil Company of California  
P. O. Box 2620  
Casper, WY 82602-2620  
Phone - (307) 234-1563

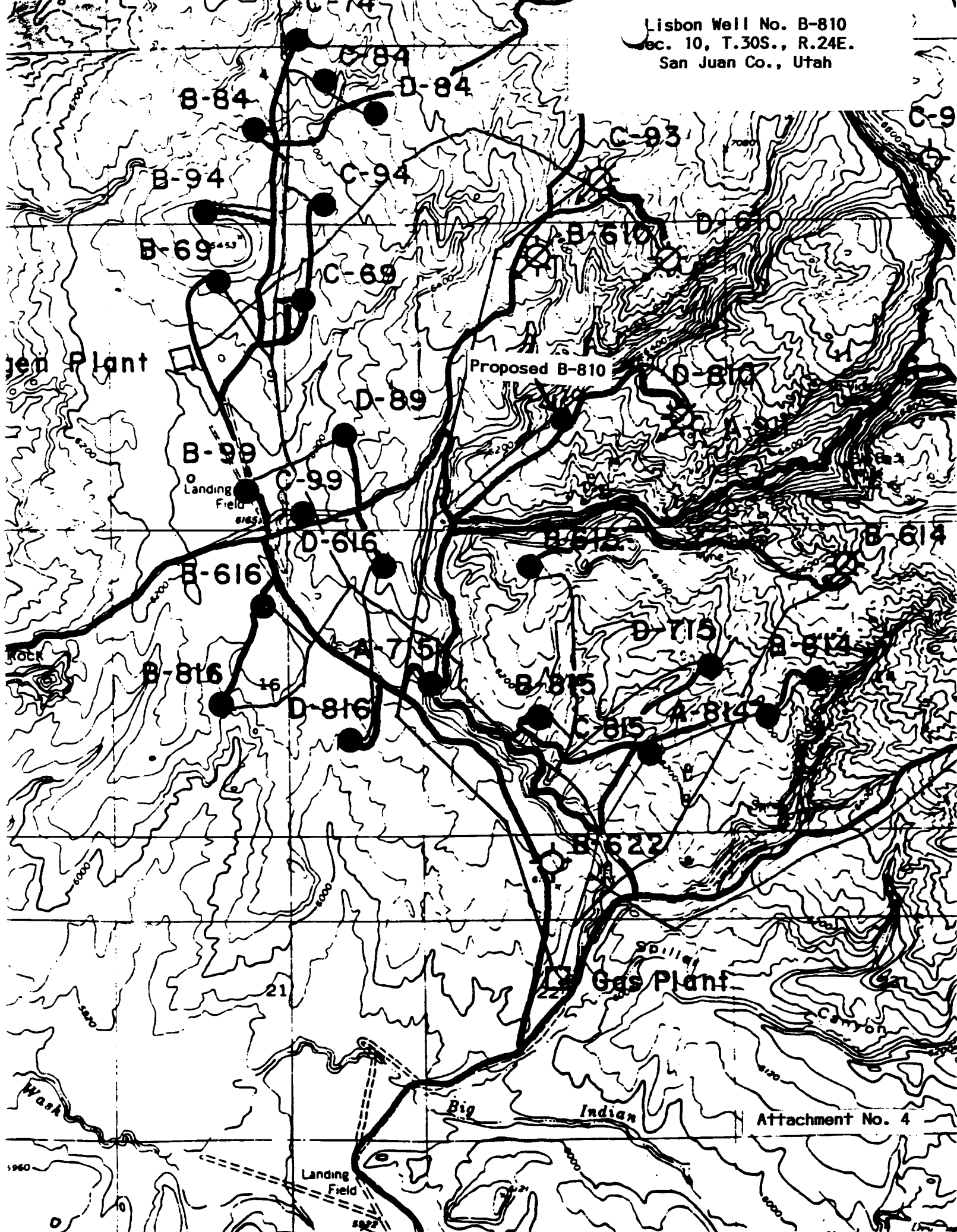
b. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Union Oil Company of California and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

6-8-88  
Date

  
District Drilling Superintendent

Lisbon Well No. B-810  
Sec. 10, T.30S., R.24E.  
San Juan Co., Utah



Lisbon Well No. B-810  
Sec. 10, T.30S., R.24E.  
San Juan Co., Utah

Pure  
C-92



C-93



B-610



D-810



1 mile

Proposed  
B-810



D-810



A-811



C-810



B-814A

B-814



Cal Oil  
B-615



Belco  
D-616



B-616



Belco  
B-816



D-816



A-715



B-815



C-715



D-715



B-814



C-815

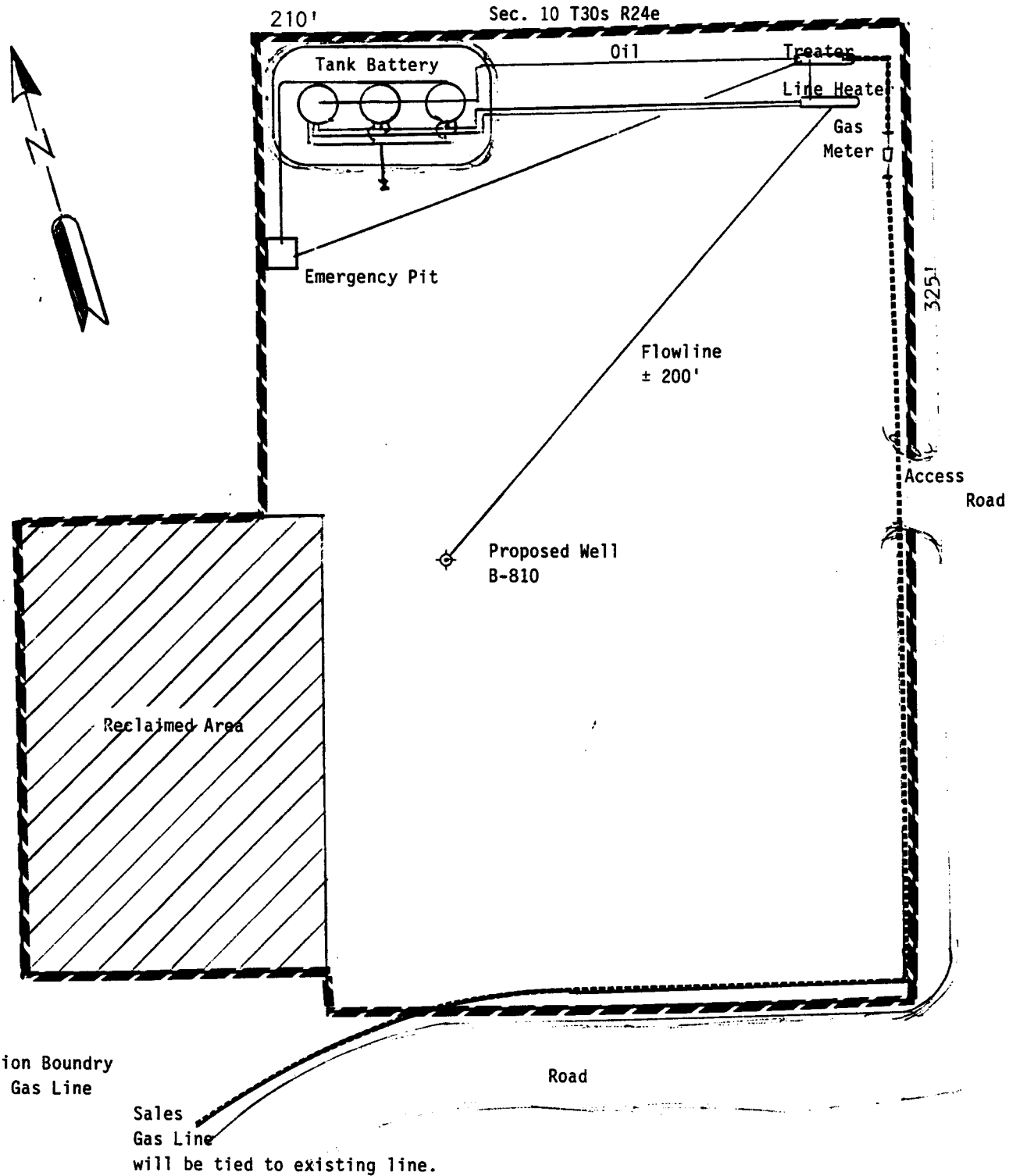


A-814



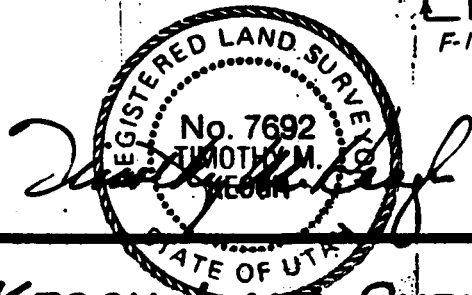
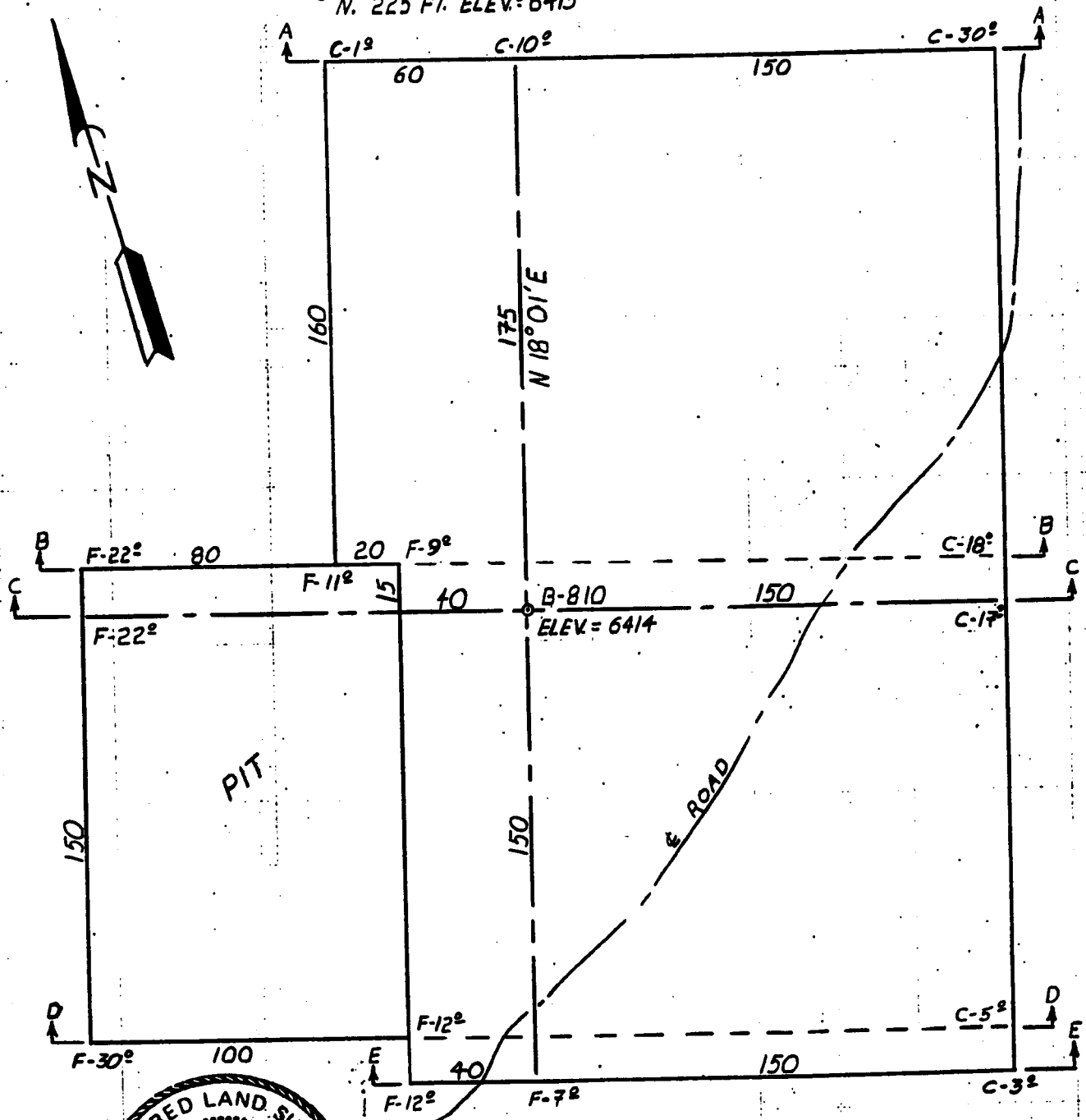
Attachment No. 5

Proposed Production Pad  
 McCracken No. B-810  
 Lisbon Field, San Juan Co., Utah  
 Sec. 10 T30s R24e





NORTH R.P. (SPIKE)  
 N. 225 FT. ELEV. 6415



SOUTH R.P. (SPIKE)  
 S. 200 FT. ELEV. 6412

**KEOGH LAND SURVEYING**

BOX 396

MOAB, UTAH



LOCATION PLAN  
 LISBON UNIT WELL NO. B-810  
 SAN JUAN COUNTY, UTAH

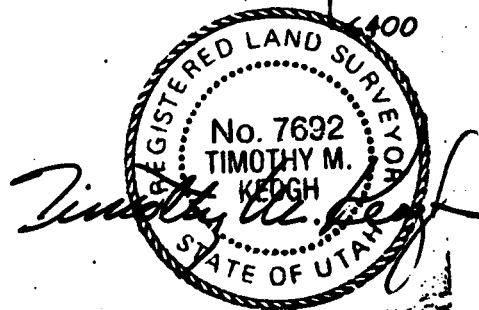
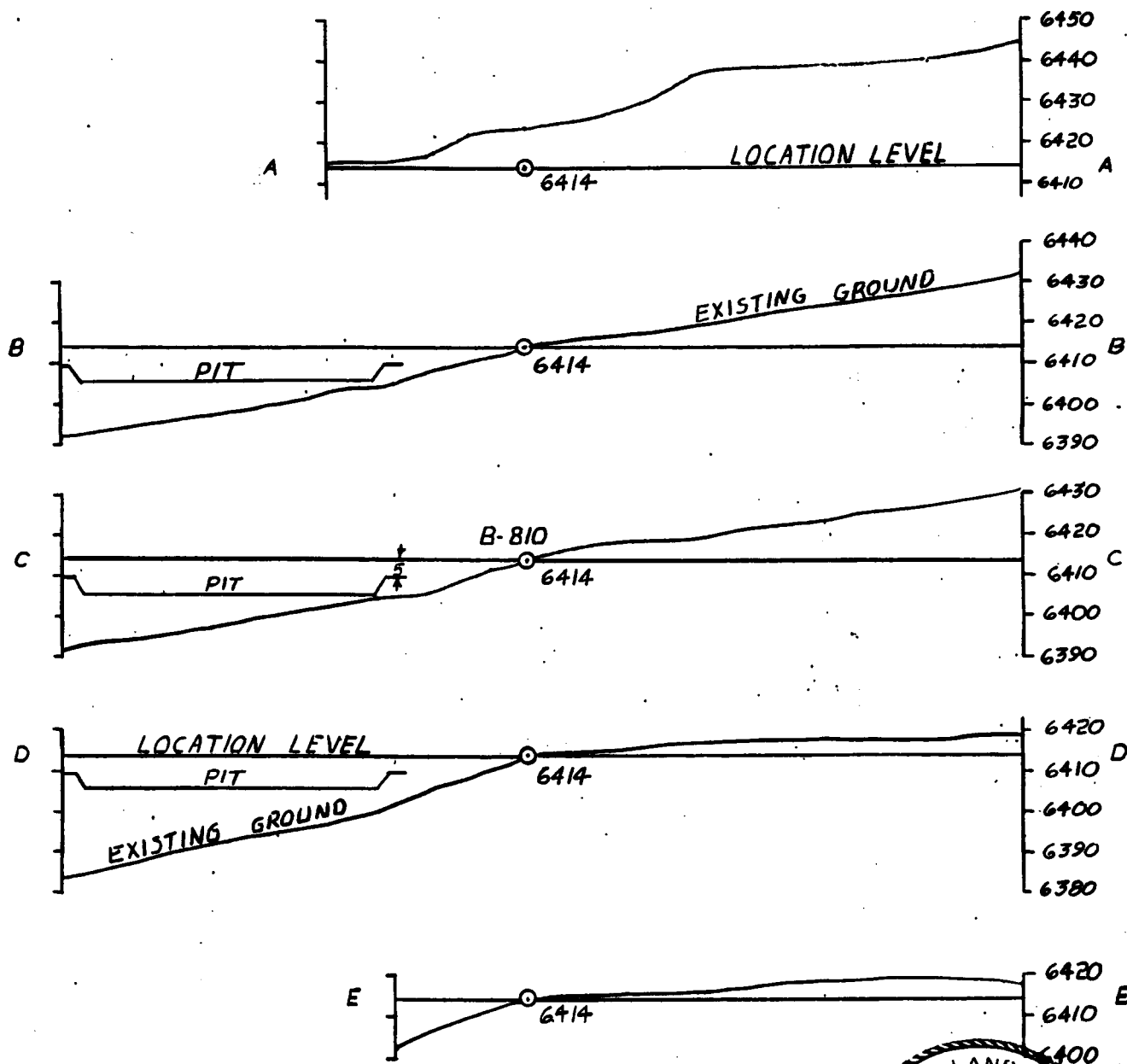
SCALE: 1" = 50'

DATE: 4-25-88

DRAWN BY: *Moh*

FIELD BOOK No. 84

Attachment No. 7



**KEOGH LAND SURVEYING**

BOX 396

MOAB, UTAH



SCALE: HORIZ: 1" = 50'  
VERT: 1" = 40'

DATE: 4-25-88

DRAWN BY: *MeLi*

FIELD BOOK No: 84

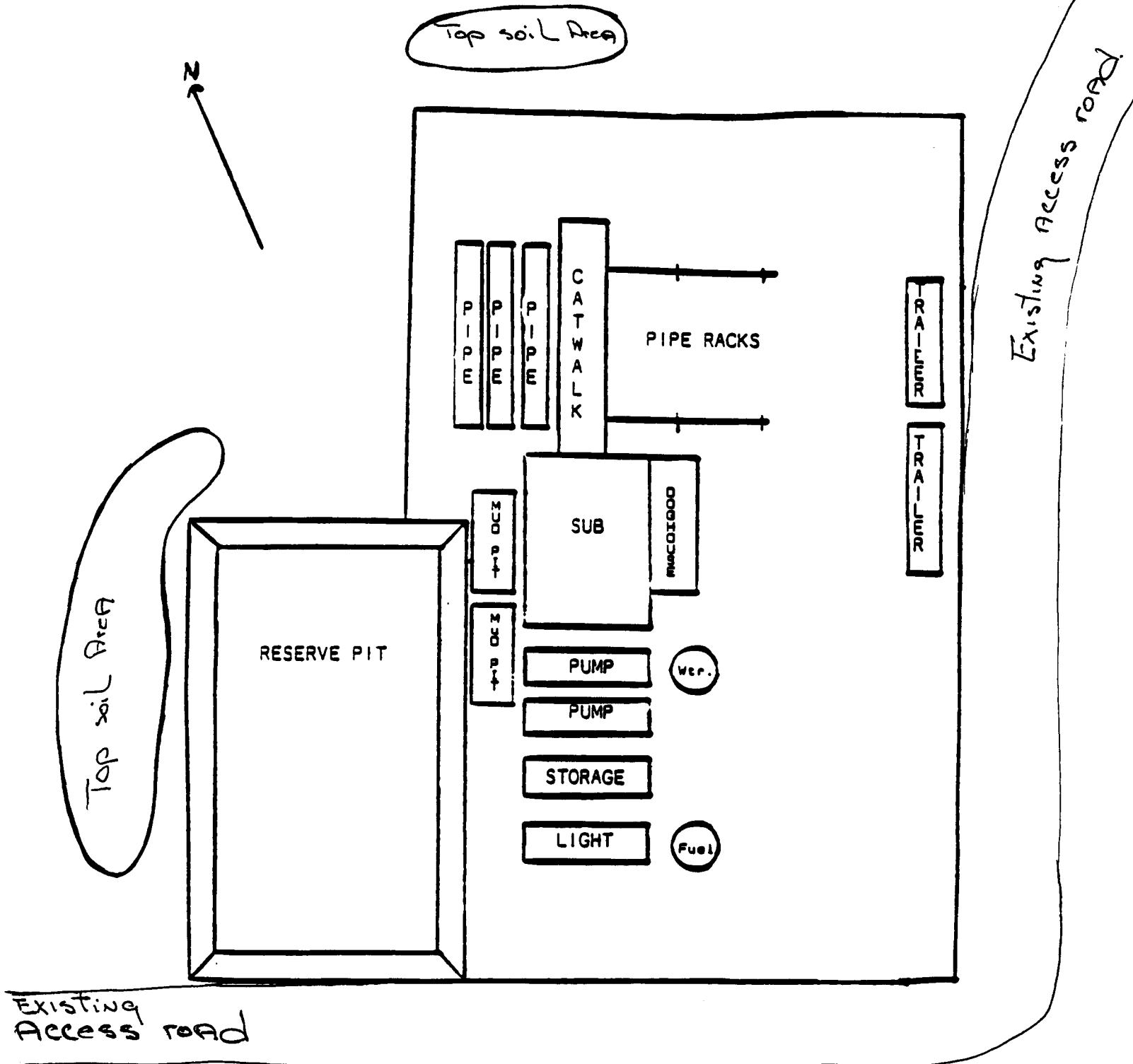
X-SECTIONS

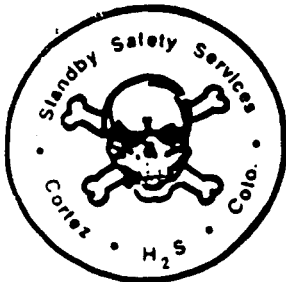
LISBON UNIT WELL No B-810

Attachment No. 8

Union Oil Company of California  
Lisbon Well No. B-810  
San Juan County, Utah

Well Site Layout





# STANDBY SAFETY SERVICES, INC.

P.O. Box 1407 • Cortez, CO 81321 • (303) 565-6391

## H2S CONTINGENCY PLAN

DATE: June 8, 1988

WELL NAME: Lisbon Well No. B-810 T.D. 9042' TVD

LOCATION: 1830' FSL & 2450' FWL (NE SW), Section 10, T.30S., R.24E.,  
San Juan County, Utah

FIELD NAME: Lisbon

H2S FORMATION: Redwall DEPTH: 7866'

CONTRACTOR:

(Unknown) RIG NAME:                      RIG PHONE:                     

DRILLING SUPERINTENDENTS:

John R. Underhill MOBILE PHONE: 307-265-4761 HOME PHONE 307-234-6400

Jim Benson MOBILE PHONE: 307-265-4591 HOME PHONE 307-235-2943

OPERATIONS SUPERINTENDENT:

Lon H. Pardue OFFICE PHONE: 307-234-1563 HOME PHONE: 307-266-5400

DRILLING ENGINEER:

Joe Farley OFFICE PHONE: 307-234-1563 HOME PHONE: 307-234-2512

GEOLOGIST:

John Zager OFFICE PHONE: 307-234-1563 HOME PHONE: 307-235-4625

- I. Introduction. H<sub>2</sub>S is a toxic, poisonous gas that could cause death or injury. The objective of this contingency plan is to provide an organized plan of action for alerting and protecting the public from H<sub>2</sub>S exposure in the event a potentially hazardous volume is accidentally released to the atmosphere. This plan should be activated immediately if any such release occurs. The Drilling Superintendent is responsible for initiating and carrying out the plan.
- II. Individual Responsibilities. It is the responsibility of all personnel on the location to familiarize themselves with the procedures outlined in this contingency plan.
- A. All personnel:
1. Responsible for his assigned safety equipment.
  2. Responsible for familiarizing himself with the location of all safety equipment.
  3. Responsible for reporting any indications of H<sub>2</sub>S to those in the area and to a supervisor.
- B. Drilling Superintendent:
1. Responsible for thoroughly understanding and seeing that all aspects of this contingency plan are enforced.
  2. Responsible for implementing all phases of this contingency plan.
  3. Responsible for keeping a minimum of personnel on the location during expected hazardous operations.
  4. Responsible for coordinating all wellsite operations and communications in the event that an emergency condition develops.
  5. Responsible for ensuring that all visitors receive an H<sub>2</sub>S safety orientation. A visitor's log will be maintained as well as a list of all personnel on the location after drilling has progressed to the suspected H<sub>2</sub>S formation.
  6. Responsible for notifying the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release.
- III. Location Layout
- A. The location of at least two pre-determined safe areas to assemble at in the event of an emergency. These locations should be located 180° to one another, and in the direction of the prevailing winds.

The pre-determined safe areas for this well are:

Area #1: Safety Trailer (Contents: 10-bottle cascade system, 5 work units, 2 rescue units, first-aid kit, fire blanket, eye wash kit, manifold, 1000' air line hose, and flare gun.)

Area #2: Briefing Area #2: 2 rescue units.

- B. The location and type of all H<sub>2</sub>S detectors. One located at the bell nipple, one located at the shale shaker, and a third one on the rig floor. Indicate here any other additional H<sub>2</sub>S detector locations for this well:

TYPE: Hand-held detector & tubes LOCATION: Doghouse

Knowledge Box

- C. The location and type of all air masks. Self-contained breathing apparatus for use by rig personnel for this well will be kept in the following locations:

TYPE: Five Escape Units LOCATION: Located on the rig

floor for rig crew, and all permanent personnel will have a unit

assigned to them for their use.

If a cascade system is utilized, indicate the location(s):

TYPE: 10-Bottle Cascade System LOCATION: Safety trailer at

Briefing Area #1.

- D. The location of wind socks or streamers. The wind direction indicators for this well will be located at:

TYPE: Wind Socks LOCATION: One out the "V" door

and one on the mud pits.

- E. The location of any other safety equipment used, such as flare guns or bug blowers:

TYPE: Bug Blower LOCATION: Under the substructure.

- F. The location of all telephones and/or means of communications. The communications for this well will be located at:

TYPE: Mobile Phone

LOCATION: In Company man's vehicle

---

G. Warning Signs

1. "NO SMOKING" signs should be strategically located around the rig and rig location. The following locations are appropriate.
  - a. Doghouse
  - b. Rig floor
  - c. Substructure
  - d. Lower landing of all stairs leading to rig floor
  - e. Mud pits
  - f. Shale shaker
2. "POISON GAS" signs should also be placed at strategic points on the locations. The following locations are appropriate.
  - a. All entrances leading to the location.
  - b. Lower landing of all stairs leading to rig floor.
  - c. All areas around substructure, including mud pits and shale shaker.
  - d. Various points along the perimeter of the radius of exposure.

NOTE: All warning signs should be black and yellow in color and of readable size at a reasonable distance.

IV. Operating Procedures. The following operating procedures will be utilized for drilling in areas with H<sub>2</sub>S.

- A. Plan of operation for handling gas kicks and other drilling problems. Any gas kick will be controlled by using approved well control techniques. Upon evidence that ambient H<sub>2</sub>S concentrations have reached 20 ppm, all non-essential personnel will be evacuated to pre-designated safe areas. Personnel remaining on the rig floor will continue to control the well as the situation dictates until the area is safe to reenter.

B. Proposed mud program.

| DEPTH<br>INTERVAL<br>(Ft) | TYPE  | WEIGHT<br>(ppg) | FUNNEL<br>VISC.<br>(Sec/Qt) |
|---------------------------|-------|-----------------|-----------------------------|
| 0-1000'                   | Fresh | 9.2-9.6         | 45-65                       |
| 1000-4250'                | Fresh | 9.6             | 40-45                       |
| 4250-T.D.                 | Salt  | 10-10.3         | 40-45                       |
| _____                     | _____ | _____           | _____                       |
| _____                     | _____ | _____           | _____                       |

Note: If necessary, approved H<sub>2</sub>S scavengers may be used.

C. Special Operations

1. Drill Stem Tests. All drill stem tests must be closed chamber and conducted during daylight hours.
2. Coring. After a core has been cut, circulate bottoms up and monitor for H<sub>2</sub>S. If hole conditions (and/or detectors) indicate potentially hazardous conditions, put breathing equipment on 10 stands before core barrel reaches the surface. Breathing equipment will be worn by all personnel while core barrel is pulled, broken out, and opened up, and until a safe atmosphere is indicated.

V. Operating conditions. Operating conditions are defined in three categories. A description of each of these conditions and the required action to take are given below.

A. CONDITION I - NORMAL OPERATING CONDITIONS, POTENTIAL DANGER, OPERATIONS UNDER CONTROL

Characterized by: Normal drilling operations and test operations in zones which contain or may contain H<sub>2</sub>S.

Warning flag: Yellow

Alarm: None

Probable occurrence: No detectable gas present at surface.

- General action:
- (1) Know location of safety equipment.
  - (2) Check safety equipment for proper functioning. Keep it available.
  - (3) Be alert for a condition change.
  - (4) Follow instructions of supervisor.

B. CONDITION II - POTENTIAL TO MODERATE DANGER TO LIFE



Characterized by: H<sub>2</sub>S gas present. Concentrations less than 20 ppm.

Warning flag: Orange

Alarm: Flashing light at 10 ppm H<sub>2</sub>S. Intermittent blasts on horn at 20 ppm H<sub>2</sub>S.

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations.

General action:

- (1) Follow instructions of supervisor
- (2) Put on breathing equipment if directed, or if conditions warrant it.
- (3) Stay in "SAFE BRIEFING AREA" if instructed and not working to correct the problem.
- (4) The Drilling Superintendent will initiate action to reduce the H<sub>2</sub>S concentration to zero.

C. CONDITION III - MODERATE TO EXTREME DANGER TO LIFE

Characterized by: H<sub>2</sub>S present in concentrations at or above 20 ppm. Critical well operations or well control problems. In the extreme, loss of well control.

Warning flag: Red

Alarm: Flashing light and continuous blast on horn at 20 ppm H<sub>2</sub>S.

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.

- (3) When a core barrel is pulled
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations

General action:

- (1) Put on breathing equipment. Move to "SAFE BRIEFING AREA" and remain there if not working to correct or control problems.
- (2) Follow instructions of Drilling Superintendent or other supervisor.
- (3) The Drilling Superintendent will initiate emergency action as provided in the contingency plan and as appropriate to the actual conditions. If testing operations are in progress, well will be shut-in.
- (4) The Drilling Superintendent will conduct any necessary operations with an absolute minimum of personnel. All persons in the immediate area will wear a breathing apparatus. All other personnel will restrict their movements to those directed by the Superintendent.
- (5) If gas containing hydrogen sulfide is ignited, the burning hydrogen sulfide will be converted to sulfur dioxide which is poisonous.

VI. Emergency Procedures. The procedures listed below apply to drilling and testing operations.

- A. If at any time during Condition I, the mud logger, mud engineer, or any other person detects H<sub>2</sub>S, he will notify the Drilling Superintendent. All personnel should keep alert to the Drilling Superintendent's orders. He will:
  - 1. Immediately begin to ascertain the cause or the source of the H<sub>2</sub>S and take steps to reduce the H<sub>2</sub>S concentration to zero. This should include having the mud engineer run a sulfide and pH determination on the flowline mud if water-base mud is in use. If an oil-base mud is in use, the mud engineer should check the lime content of the mud.

2. Order non-essential personnel out of the potential danger area.
  3. Order all personnel to check their safety equipment to see that it is working properly and in the proper location. Persons without breathing equipment will not be allowed to work in a hazard area.
  4. Notify the Contract Supervisor of condition and action taken.
  5. Increase gas monitoring activities (portable H<sub>2</sub>S detectors) and continue operations with caution.
  6. Display the orange warning flag.
- B. If the H<sub>2</sub>S concentration exceeds 20 ppm, the following steps will be taken.:
1. Put on breathing equipment
  2. Display red flag
  3. Driller - prepare to shut the well in.
    - a. Pick up pipe to get kelly out BOP's
    - b. Close BOP's if necessary.
  4. If testing operations are in progress, the well will be shut-in.
  5. Help anyone who may be affected by gas.
  6. Evacuate quickly to the "SAFE BRIEFING AREA" if instructed or conditions warrant.
- C. In the event a potentially hazardous volume of H<sub>2</sub>S is released to the atmosphere, the following steps must be taken to alert the public:
1. Remove all rig personnel from the danger area and assemble at a pre-determined safe area, preferably upwind from the well site.
  2. Alert the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release. See List of Emergency Telephone Numbers.
  3. Assign personnel to block any public road (and access road to location) at the boundary of the area of exposure. Any unauthorized people within the area should be informed

that an emergency exists and be ordered to leave immediately.

4. Request assistance from public safety personnel to control traffic and/or evacuate people from the threatened area.

VII. Training Program. All personnel associated with the drilling operations will receive training to insure efficient and correct action in all situations. This training will be in the general areas of: (1) personnel safety, (2) rig operations, and (3) well control procedures.

A. Personnel Safety Training. All personnel shall have received H<sub>2</sub>S training in the following areas;

1. Hazards and characteristics of H<sub>2</sub>S.
2. Effect on metal components of the system.
3. Safety precautions.
4. Operation of safety equipment and life support systems.
5. Corrective action and shutdown procedures.

B. Rig Operations. All rig personnel shall have received training in the following areas:

1. Well control procedures.
2. Layout and operations of the well control equipment.

NOTE: Proficiency will be developed through BOP drills which will be documented by the Drilling Superintendent.

C. Service Company Personnel. All service personnel shall have been trained by their employers in the hazards and characteristics of H<sub>2</sub>S and the operation of safety equipment and life support systems.

D. Visitors. All first time visitors to the location will be required to attend a safety orientation. The Drilling Superintendent shall be responsible for this orientation, and he shall see that every visitor is logged in correctly.

E. Public. The public within the area of exposure shall be given an advance briefing by the Drilling Superintendent. This briefing must include the following elements:

1. Hazards and characteristics of hydrogen sulfide. It is an extremely dangerous gas. It is normally detectable by its "rotten-egg" odor, but odor is not a reliable

means of detection because the sense of smell may be dulled or lost due to intake of the gas. It is colorless, transparent, and flammable. It is heavier than air and may accumulate in low places.

2. The necessity of an emergency action plan. Due to the danger to persons exposed to hydrogen sulfide and the need for expeditious action should an emergency occur, this action plan will be put into effect if and when a leak occurs.
3. The location of hydrogen sulfide within the area of exposure. At the drilling location.
4. The manner in which the public will be notified of an emergency. By telephone or personal contact.
5. Steps to be taken in case of an emergency.
  - a. Abandon danger area.
  - b. Notify necessary agencies and request assistance for controlling traffic and evacuating people.

LISBON WELL NO. B-810  
H<sub>2</sub>S CONTINGENCY PLAN

EMERGENCY TELEPHONE NUMBERS

Ambulance

Moab - 801-259-7403 or 801-259-7191

Blanding - Life Guard Air Ambulance - 801-678-3222  
800-872-9889

Hospitals

Moab - Allen Memorial Hospital - 801-259-7191

Monticello - San Juan County Hospital - 801-587-2116

Doctors

Blanding - James Redd, M.D. - Office - 801-678-2254  
Weekend Emergencies - 801-678-2251

Monticello - Jerrold Smith, G.S. & G.P. - Home - 801-587-2557

Moab - Paul Mayberry, M.D. - Office - 801-259-7121  
After Hours - 801-259-7191

Veterinarian

Moab - Spanish Valley Veterinary Clinic - 801-259-5216

Utah State Highway Patrol

Moab - 801-259-5441

Monticello - Port of Entry - 801-587-2662

County Sheriff

Moab - 801-259-8115  
Emergency - 911

Monticello - 801-587-2237

Utah National Guard

Blanding - 801-678-2620

Civil Defense Agency

Salt Lake City - 801-533-5271

Fire Department

Moab - 801-259-5551  
Emergency - 911

Monticello - 801-587-2500

**GOVERNMENT AGENCIES - TELEPHONE NUMBERS**

**Bureau of Land Management**

Salt Lake City - 801-524-5311

Moab - 801-259-6111

To report fires - 801-259-6830

**United States Forest Services**

Manti-La Sal National Forest - Moab - 801-259-7155

Moab - District Ranger's Office - 801-259-7155

Monticello - District Ranger's Office - 801-587-2041

**Environmental Protection Agency**

Denver, CO - 303-293-1603

**Utah State Environmental Health Services**

Salt Lake City - Environmental Emergencies - 801-533-6145

**Utah State Wildlife Resources Division**

Salt Lake City - 801-533-9333

**Utah State, Division of Oil, Gas and Mining**

Salt Lake City - 801-538-5340

**UNION OIL COMPANY OF CALIFORNIA PERSONNEL - TELEPHONE NUMBERS**

Union Oil Company Office - Casper, Wyoming - 307-234-1563

District Operations Manager - Lon Pardue - 307-266-5400

District Drilling Superintendent - John R. Underhill - 307-234-6400

Mobile - 307-265-4761

District Drilling Engineer - Jim Benson - 307-235-2943

Mobile - 307-265-4591

Drilling Foreman - Frank Gillespie - 307-577-0631

Mobile - 307-265-4374

W & C Contracting Company  
Farmington, NM - 505-325-1991

(Earth-moving equipment, dozers, backhoes, trucks, floats, etc.)

Crowley Construction, Inc.  
Monticello - 801-587-2377

(Earth-moving equipment, dozers, backhoes, trucks, floats, etc.)

Moab Brine Company  
Moab - 801-259-5751

(Liquid transport, semi- and bob- tail rigs.)

Halliburton Services  
Farmington, NM - 505-325-3575

(High-pressure pumping equipment and cementing services.)

Dowell Schlumberger  
Cortez, CO - 303-565-7461

Farmington, NM - 505-325-5096

(High-pressure pumping equipment and cementing services.)

Standby Safety Services, Inc.  
Clinton Dean - Cortez, CO - Office - 303-565-6391

(H<sub>2</sub>S safety specialists with all necessary safety equipment available on rental or lease basis, including monitors, breathing equipment, signs, flags, first-aid equipment, personnel training, on-site supervision, etc.)

Dalgarno Transportation, Inc.  
Grand Junction, CO - 303-242-2669

(Heavy hauling of all types of material, both liquid and dry bulk material. Transportation of any type of equipment.)

W. R. Hall Construction Co., Inc.  
Grand Junction, CO - 303-241-4419

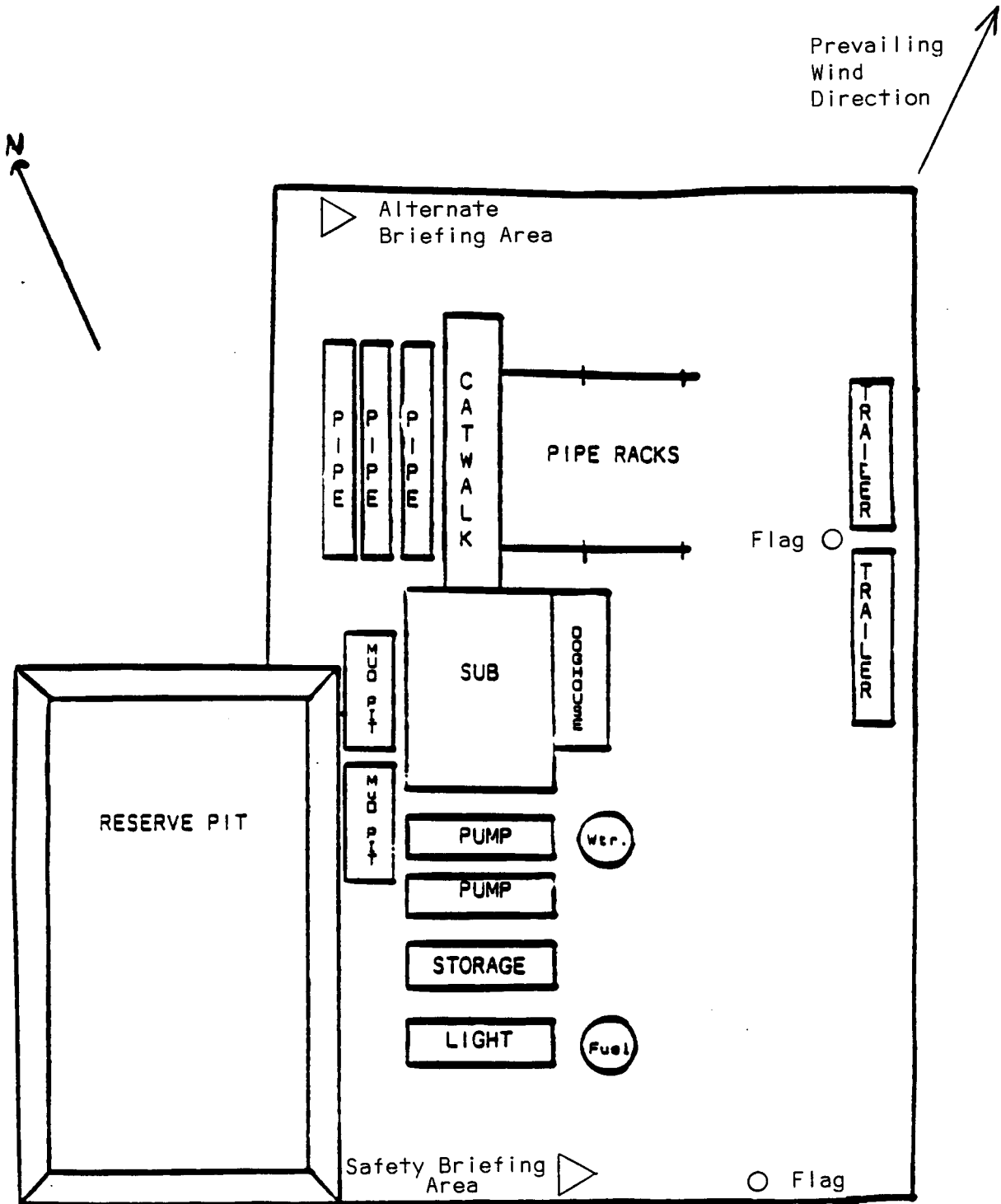
(Heavy hauling of all types of material. Transportation of any type of equipment.)

Rio Algom Mining Corporation  
La Sal - Operator of MiVida Mine - 801-259-5904

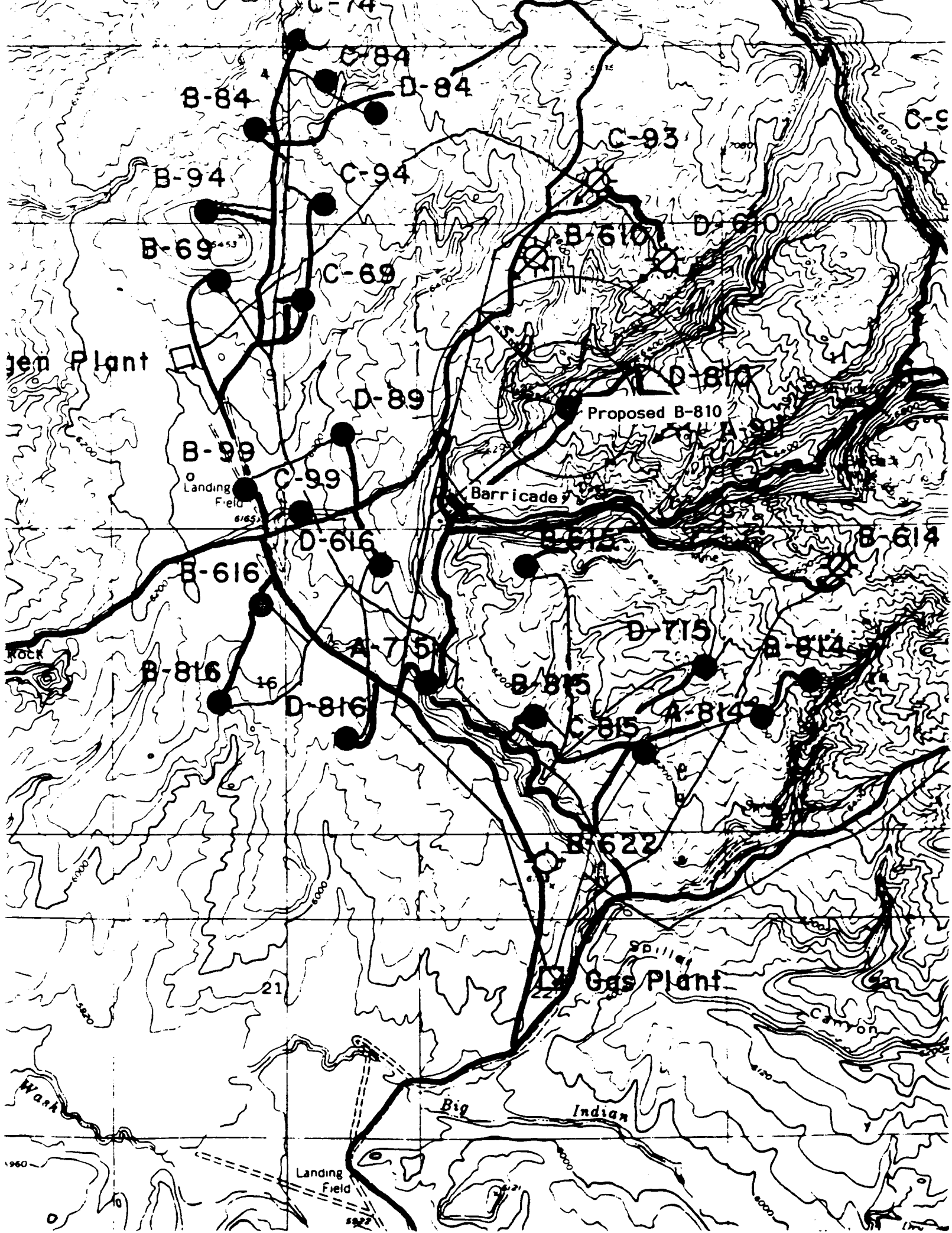


Lisbon Well No. B-810  
Sec. 10, T.30S., R.24E.  
San Juan Co., Utah

Well Site Layout



Scale: 1" = 50'



ARCHEOLOGICAL SURVEY OF  
UNION OIL COMPANY OF CALIFORNIA'S  
B-810 WELL,  
SAN JUAN COUNTY, UTAH

LAC REPORT 8853

by  
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.  
P.O. BOX 783  
DOLORES, COLORADO 81323  
(303) 882-4933

APRIL 20, 1988

FEDERAL ANTIQUITIES PERMIT  
85UT57626  
UTAH STATE PERMIT  
U88-LA-134b

Prepared For:  
Union Oil Company of California  
P.O. Box 2620  
Casper, Wyoming 82602

## **ABSTRACT**

The archeological survey of Union Oil Company of California's B-810 well and access road was conducted by personnel of La Plata Archeological Consultants, Inc. on April 20, 1988. The project is located ca. three miles west of Lisbon Valley on lands administered by the Bureau of Land Management - Grand Resource Area in San Juan County, Utah. An area 660 X 660 feet surrounding the well center stake was inventoried for cultural resources and none were found. Archeological clearance for the project is recommended.

## **INTRODUCTION**

On April 20, 1988 the archeological survey of Union Oil Company of California's B-810 well was conducted by Patrick Harden of La Plata Archeological Consultants, Inc. The survey was requested by Mr. Jim Benson of Union Oil. The proposed project consists of the construction of a single well pad ca. 275 X 325' in size. Access to the well is provided by an existing road which may require only minor changes. All of the changes will be within the area archeologically surveyed for the well pad. The road crosses the proposed pad and a pipeline borders the pad.

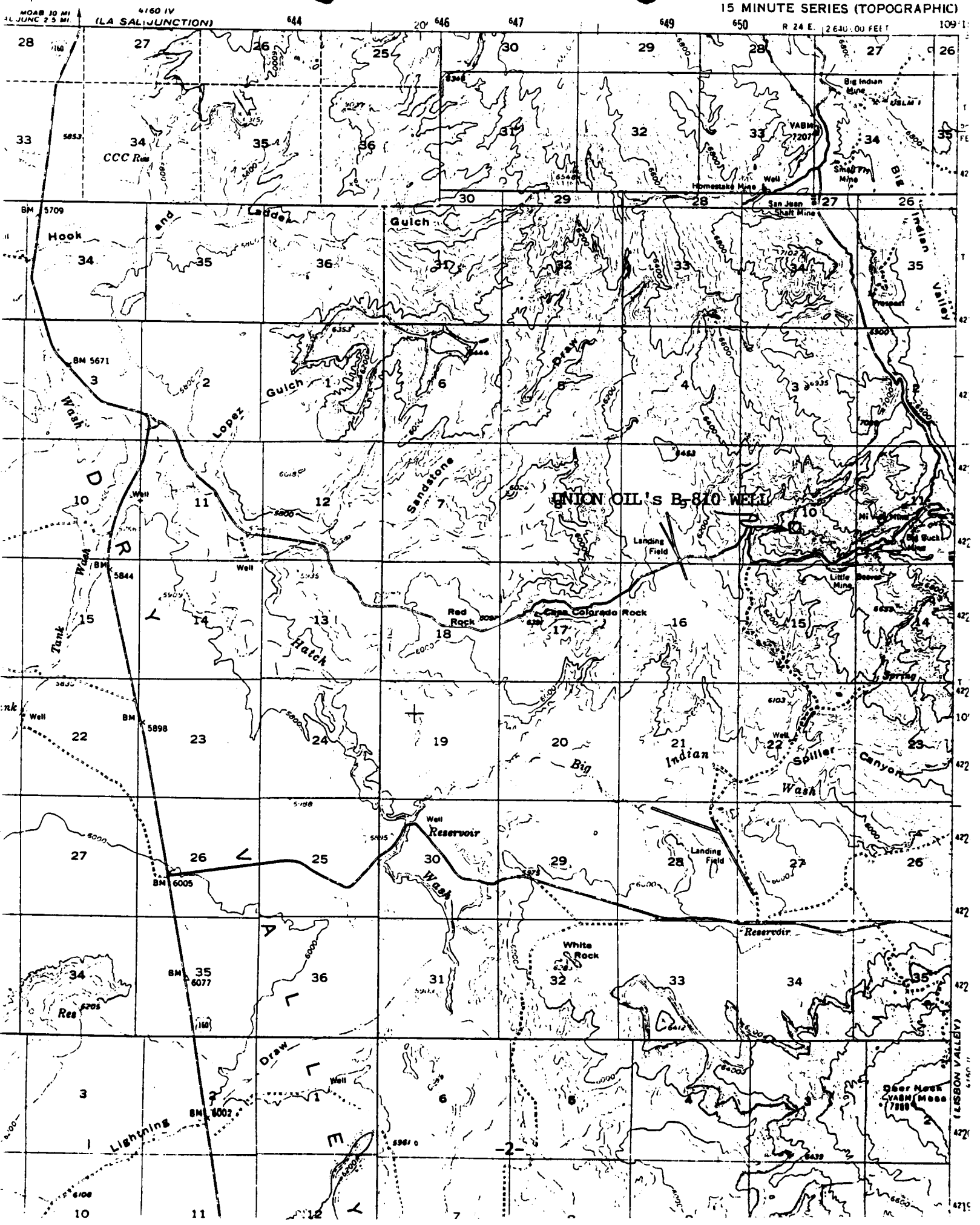
The project is located in the SW 1/4 of section 10, T30S, R24E in San Juan County, Utah on lands administered by the Bureau of Land Management - Grand Resource Area. The area is included on the Hatch Rock, Utah 15' series topographic map.

## **PHYSIOGRAPHY AND ENVIRONMENT**

The project is located in the uplands between Big Indian Valley to the northeast and Big Indian Wash to the south, and ca. four miles west of Lisbon Valley. The uplands consist of a series of sloping ridges deeply dissected by numerous narrow, although relatively deep, sandstone canyons. The Union Oil well is situated on the crest of a narrow

UTAH-SAN JUAN CO.

15 MINUTE SERIES (TOPOGRAPHIC)



'ridge' which dips at a ca. 10-12% grade. A small draw borders the area to the southeast, and a precipitous sandstone cliff borders the well to the northwest.

Sediments consist of sandstone bedrock over ca. 90% of the project area, with shallow sand to cobble sized sandstone colluvium elsewhere.

Vegetation includes pinyon, juniper, horsebrush, ephedra, snakeweed, bur sage, rice grass, serviceberry, and a few scattered yucca plants.

## **SURVEY PROCEDURES**

Prior to the field investigations a file search was requested through the Division of State History. Another search was conducted at the BLM office in Moab on April 20th. The BLM search indicated that no cultural resources had been recorded in the project area, and that one linear survey had been conducted for the pipeline which borders the well pad (Pierson 1982).

On-the-ground survey consisted of walking a series of transects spaced 15 meters apart across an area 660 X 660 feet surrounding the well center stake. The well was staked and flagged prior to the survey. The survey was conducted in conjunction with the pre-drill inspection attended by Mr. Benson (Union Oil), and Jeff Robbins (BLM).

## **SURVEY RESULTS**

No cultural resources were found in the areas surveyed. The nature of the sediments makes the possibility of buried cultural deposits being present virtually impossible.

## **CONCLUSION**

On April 20, 1988 the archeological survey of Union Oil Company of California's B-810 well was conducted by personnel of La Plata Archeological Consultants, Inc. The project is located on lands administered by the Bureau of Land Management - Grand

Resource Area in San Juan County, Utah. An area 660 X 660' surrounding the well center stake was inventoried. No cultural resources were found and archeological clearance for the project is recommended.

#### **REFERENCE CITED**

Pierson, Lloyd  
1982 Lisbon Field Drill Site A-711 Investigations. Manuscript on file with the  
BLM, Moab.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/13/1988

API NO. ASSIGNED: 43-037-31433

WELL NAME: LISBON B-810  
OPERATOR: TOM BROWN INC (N9885)  
CONTACT: Byron Gale (303) 260-5036

PROPOSED LOCATION:  
NESW 10 - T30S - R24E  
SURFACE: 1830-FSL-2450-FWL  
*Prod. Zn.* BOTTOM: 2500-FSL-2605-FWL  
SAN JUAN COUNTY  
LISBON FIELD (385)

LEASE TYPE: FED  
LEASE NUMBER: U-014903  
SURFACE OWNER: Federal

INSPECT LOCATN BY: / /

| TECH REVIEW | Initials | Date |
|-------------|----------|------|
| Engineering |          |      |
| Geology     |          |      |
| Surface     |          |      |

PROPOSED FORMATION: MSSP

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed ☒ Ind[] Sta[] Fee[]  
(No. E50183)  
☒ Potash (Y/N)  
☒ Oil Shale (Y/N) \*190-5(B)  
☒ Water Permit  
(No. City of Moab)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)  
N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

☐ R649-2-3. Unit Lisbon (mssp)  
☐ R649-3-2. General  
Siting: \_\_\_\_\_  
☒ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☐ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_



OPERATOR Union Oil Co. of California DATE 6-13-88

WELL NAME Lisbon Unit B-810

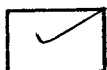
SEC NESW 10 T 30S R 24E COUNTY San Juan

BH# SE NW

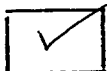
43-037-31433  
API NUMBER

Fed.  
TYPE OF LEASE

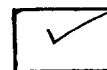
CHECK OFF:



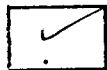
PLAT



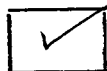
BOND



NEAREST  
WELL



LEASE



FIELD



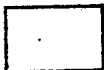
POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

no other well within 920'  
need water permit  
exception location requested

APPROVAL LETTER:

SPACING:



R615-2-3

UNIT



R615-3-2



CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

- 1- Water Permit
2. The well ~~may~~ shall not be completed in  
by the ~~the~~ Mississippian formation unless authorized  
the U.S. BLM  
as part of the Lisbon Unit.



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

June 21, 1988

Union Oil Company of California  
P. O. Box 2620  
Casper, Wyoming 82602-2620

Gentlemen:

Re: Lisbon B-810 - Sec. 10, T. 30S, R. 24E - San Juan County, Utah  
(Surf.) NE SW, 1830' FSL, 2450' FWL - (BHL) SE NW, 2682' FSL, 2342' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. The well shall not be completed in the Mississippian formation as part of the Lisbon Unit unless authorized by the U.S. Bureau of Land Management.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2  
Union Oil Company of California  
Lisbon B-810  
June 21, 1988

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31433.

Sincerely,



R. J. Birth  
Associate Director, Oil & Gas

lr  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-037-31433

NAME OF COMPANY: UNION OIL COMPANY

WELL NAME: LISBON B-810

SECTION NESW 10 TOWNSHIP 30S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR ADCOR

RIG # 36

SPUDDED: DATE 7/31/88

TIME 7:00 a.m.

How ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY PEG DILL

TELEPHONE # 307-234-1563

DATE 8/1/88

SIGNED TAS

**RECEIVED**  
AUG 4 1988

ENTITY ACTION FORM - DOGM FORM 6

OPERATOR Union Oil Company of California  
ADDRESS P. O. Box 2620  
Casper, WY 82602-2620

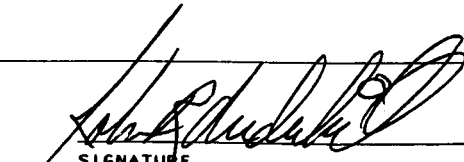
OPERATOR CODE N1030  
PHONE NO. 307, 234-1563

DIVISION OF  
OIL, GAS & MINING

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

| ACTION CODE   | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER   | WELL NAME             | WELL LOCATION |    |     |     |          | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|--------------|-----------------------|---------------|----|-----|-----|----------|-----------|----------------|
|   |                    |                |              |                       | QQ            | SC | TP  | RG  | COUNTY   |           |                |
| A   | 99999              | 10904          | 43-037-31433 | Lisbon Well No. B-810 | NE SW         | 10 | 30S | 24E | San Juan | 7-31-88   |                |
| COMMENTS: <i>Federal lease</i><br><i>New Well</i> <i>Not in a unit</i> <i>Proposed Zone - Lynch</i><br><i>Field - Lisbon</i> <i>(Assign new entity number 10904 8-5-88 for)</i> |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |
| COMMENTS:   |                    |                |              |                       |               |    |     |     |          |           |                |
|   |                    |                |              |                       |               |    |     |     |          |           |                |

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL  
 B - ADD NEW WELL TO EXISTING ENTITY  
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY  
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY  
 E - OTHER (EXPLAIN IN COMMENTS SECTION)  
 (SEE INSTRUCTIONS ON BACK OF FORM)

  
 SIGNATURE  
 District Drilling Supt. 8-1-88  
 TITLE DATE

**RECEIVED**

AUG 4 1988

DIVISION OF  
OIL, GAS & MINING

July 15, 1988

RECEIVED

JUL 19 1988

WATER RIGHTS  
PRICE

RATTLESNAKE RANCH hereby authorizes RDB Trucking, Inc. to haul water for UNOCAL project in Lisbon Valley . Well # B-810, located in Section 10 TW 30 S, R24E, San Juan County Utah, from our ditch crossing under the RIO ALGOM road. Permit # 838 05 570.

*Norma Blankenagel*  
Jim or Norma Blankenagel



STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

RECEIVED  
AUG 4 1988

DIVISION OF  
OIL, GAS & MINING

August 1, 1988

Division of Oil, Gas & Mining  
Attn: Lisha Romero  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Re: Well #C-811  
Well #C-810 (B-810)  
Water Right Number 05-570

Dear Lisha:

The enclosed note will serve as evidence for a water right for the above referenced wells to be drilled by UNOCAL.

Please contact me if you have any questions.

Sincerely,

*Mark P. Page*

Mark P. Page  
Area Engineer

Enclosure  
MPP/mjk

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
reverse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to change to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

AUG 5 1988

|  |   |
|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-014903                             |
| 2. NAME OF OPERATOR<br>Union Oil Company of California   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 2620 - Casper, WY 82602-2620   | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>1830' FSL & 2450' FWL (NE SW) | 8. FARM OR LEASE NAME<br>Lisbon   |
|  | 9. WELL NO.<br>B-810  |
|  | 10. FIELD AND POOL, OR WILDCAT<br>Lisbon                                    |
|  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 10, T.30S., R.24E. |
| 14. PERMIT NO.<br>API No. 43-037-31433   | 12. COUNTY OR PARISH<br>San Juan  |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6414' GR (Ungraded)  | 13. STATE<br>Utah   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

|                     |                          |                      |                          |
|---------------------|--------------------------|----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | PULL OR ALTER CASING | <input type="checkbox"/> |
| FRACTURE TREAT      | <input type="checkbox"/> | MULTIPLE COMPLETE    | <input type="checkbox"/> |
| SHOOT OR ACIDIZE    | <input type="checkbox"/> | ABANDON*             | <input type="checkbox"/> |
| REPAIR WELL         | <input type="checkbox"/> | CHANGE PLANS         | <input type="checkbox"/> |
| (Other)             | <input type="checkbox"/> |                      | <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

|                       |                                     |                 |                                     |
|-----------------------|-------------------------------------|-----------------|-------------------------------------|
| WATER SHUT-OFF        | <input type="checkbox"/>            | REPAIRING WELL  | <input type="checkbox"/>            |
| FRACTURE TREATMENT    | <input type="checkbox"/>            | ALTERING CASING | <input type="checkbox"/>            |
| SHOOTING OR ACIDIZING | <input type="checkbox"/>            | ABANDONMENT*    | <input type="checkbox"/>            |
| (Other) SPUD NOTICE   | <input checked="" type="checkbox"/> |                 | <input checked="" type="checkbox"/> |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Set 50' of 16" conductor with rat hole machine. MIRU Adcor Drilling Company's rig No. 36. Spudded 12-1/4" surface hole at 7:00 a.m., 7-31-88. Drilled 12-1/4" hole to 1030'. Circulated hole.

Ran and cemented 24 jts. (1011.04') of 9-5/8", 36#, J-55, 8RD, ST&C, new casing at 1030' (insert float at 986') with 475 sacks of cement. Displaced with 78 bbls. fresh water at 8 bpm to 2 bpm at 0-400 psi. Tested to 1000 psi, O.K. Released pressure and float held O.K. C.I.P. and J.C. at 3:00 p.m., 8-2-88. Circulated 100 sacks cement to surface. W.O.C. Cut off 9-5/8" casing and welded on casing head. Tested to 1000 psi, O.K. Nippling up BOP and manifold.

18. I hereby certify that the foregoing is true and correct.

SIGNED

John R. Underhill

TITLE District Drilling Supt.

DATE 8-3-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

MAGNETIC DIRECTIONAL SURVEY  
FOR

\*\*\*\*\*  
\*UNION OIL OF CALIFORNIA\*  
\*\*\*\*\*

JOB NUMBER: 41ER0888052  
WELL NAME: LISBON B-810  
LOCATION: SAN JUAN CO., UTAH  
SURVEY DATE: 09/06/88  
SURVEY ENGINEER: D. URBAN  
METHOD OF CALCULATION: THE RADIUS OF CURVATURE  
VERTICAL SECTION: CALCULATED USING PROPOSAL OF N 14-48 E  
COMMENTS:

\*\*\*\*\*  
\* THIS SURVEY IS CORRECT TO THE BEST OF MY \*  
\*KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.\*  
\* \*  
\* \*  
\* \*\*\*\*\* \*  
\* COMPANY REPRESENTATIVE \*  
\*\*\*\*\*

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE |            | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------|------------------|
| 1102.00        | 1101.87        | 8.44           | 14.43          | 1-30       | N 69- 0 E      | 5.17                              | N 13.47 E  | .14              |
| 1332.00        | 1331.77        | 13.20          | 7.02           | 2- 0       | N 55- 0 E      | 8.46                              | N 19.65 E  | .28              |
| 1551.00        | 1550.62        | 19.45          | 8.12           | 2-15       | N 54- 0 E      | 13.17                             | N 26.26 E  | .12              |
| 1760.00        | 1759.44        | 26.16          | 8.66           | 2-30       | N 54- 0 E      | 18.26                             | N 33.27 E  | .12              |
| 2007.00        | 2006.18        | 34.92          | 11.31          | 2-45       | N 54- 0 E      | 24.91                             | N 42.42 E  | .10              |
| 2300.00        | 2298.70        | 47.89          | 16.61          | 3-45       | N 53- 0 E      | 34.79                             | N 55.77 E  | .34              |
| 2450.00        | 2448.42        | 55.13          | 9.16           | 3-15       | N 52- 0 E      | 40.37                             | N 63.04 E  | .34              |
| 2603.00        | 2601.11        | 62.89          | 9.67           | 4- 0       | N 51- 0 E      | 46.39                             | N 70.61 E  | .49              |
| 2786.00        | 2783.61        | 73.97          | 13.56          | 4-30       | N 49- 0 E      | 55.11                             | N 81.00 E  | .28              |
| 3048.00        | 3044.61        | 93.18          | 22.83          | 5-30       | N 46- 0 E      | 70.53                             | N 97.83 E  | .39              |
| 3192.00        | 3187.88        | 105.59         | 14.43          | 6- 0       | N 45- 0 E      | 80.64                             | N 108.12 E | .35              |
| 3349.00        | 3343.91        | 120.42         | 17.43          | 6-45       | N 48- 0 E      | 92.64                             | N 120.77 E | .52              |
| 3506.00        | 3499.82        | 135.49         | 18.45          | 6-45       | N 52- 0 E      | 104.50                            | N 134.90 E | .30              |
| 3669.00        | 3661.69        | 150.55         | 19.16          | 6-45       | N 54- 0 E      | 116.03                            | N 150.20 E | .14              |
| 3823.00        | 3814.55        | 165.40         | 18.77          | 7-15       | N 51- 0 E      | 127.45                            | N 165.09 E | .40              |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 3981.00        | 3971.24        | 181.44         | 20.28          | 7-30       | N 54- 0 E      | 139.80 N 181.18 E                 | .29              |
| 4138.00        | 4126.90        | 197.55         | 20.49          | 7-30       | N 52- 0 E      | 152.13 N 197.54 E                 | .17              |
| 4234.00        | 4222.13        | 207.45         | 12.12          | 7- 0       | N 48- 0 E      | 159.92 N 206.82 E                 | .74              |
| 4568.00        | 4553.42        | 243.36         | 42.44          | 7-36       | N 46- 0 E      | 188.86 N 237.86 E                 | .20              |
| 4913.00        | 4894.84        | 286.56         | 49.50          | 8-54       | N 42- 0 E      | 224.47 N 272.24 E                 | .41              |
| 4989.00        | 4969.93        | 297.06         | 11.76          | 8-54       | N 41-12 E      | 233.26 N 280.05 E                 | .16              |
| 5053.00        | 5033.18        | 305.90         | 9.79           | 8-42       | N 39-18 E      | 240.73 N 286.37 E                 | .55              |
| 5116.00        | 5095.48        | 314.45         | 9.37           | 8-24       | N 38-30 E      | 248.02 N 292.25 E                 | .51              |
| 5178.00        | 5156.83        | 322.70         | 8.90           | 8- 6       | N 34-54 E      | 255.15 N 297.57 E                 | .96              |
| 5241.00        | 5219.23        | 331.04         | 8.71           | 7-48       | N 28-12 E      | 262.57 N 302.13 E                 | 1.55             |
| 5304.00        | 5281.65        | 339.42         | 8.50           | 7-42       | N 20-18 E      | 270.32 N 305.61 E                 | 1.70             |
| 5367.00        | 5344.09        | 347.79         | 8.39           | 7-36       | N 12-36 E      | 278.35 N 307.99 E                 | 1.63             |
| 5429.00        | 5405.55        | 355.88         | 8.14           | 7-30       | N 4-42 E       | 286.40 N 309.21 E                 | 1.68             |
| 5493.00        | 5469.00        | 364.01         | 8.41           | 7-36       | N 4-24 W       | 294.79 N 309.23 E                 | 1.87             |
| 5573.00        | 5548.26        | 373.65         | 10.86          | 8- 0       | N 20- 0 W      | 305.37 N 306.95 E                 | 2.68             |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE |          | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|----------|------------------|
| 5698.00        | 5672.00        | 388.25         | 17.67          | 8-15       | N 19- 0 W      | 322.03 N                          | 301.05 E | .23              |
| 5824.00        | 5796.54        | 403.99         | 19.17          | 9-15       | N 21- 0 W      | 340.04 N                          | 294.49 E | .83              |
| 5950.00        | 5920.76        | 421.07         | 21.07          | 10- 0      | N 21- 0 W      | 359.71 N                          | 286.94 E | .60              |
| 6076.00        | 6044.85        | 438.82         | 21.88          | 10- 0      | N 21- 0 W      | 380.13 N                          | 279.10 E | .00              |
| 6198.00        | 6164.90        | 456.31         | 21.71          | 10-30      | N 22- 0 W      | 400.33 N                          | 271.15 E | .44              |
| 6322.00        | 6286.72        | 474.95         | 23.13          | 11- 0      | N 21- 0 W      | 421.85 N                          | 262.67 E | .43              |
| 6448.00        | 6410.25        | 495.24         | 24.85          | 11-45      | N 20- 0 W      | 445.13 N                          | 253.97 E | .62              |
| 6602.00        | 6560.95        | 520.09         | 31.69          | 12- 0      | N 27- 0 W      | 474.17 N                          | 241.34 E | .95              |
| 6758.00        | 6713.61        | 544.39         | 32.10          | 11-45      | N 25- 0 W      | 503.02 N                          | 227.27 E | .31              |
| 6897.00        | 6849.82        | 565.21         | 27.71          | 11-15      | N 28- 0 W      | 527.82 N                          | 214.90 E | .56              |
| 7011.00        | 6961.87        | 579.99         | 21.02          | 10- 0      | N 33- 0 W      | 545.92 N                          | 204.24 E | 1.36             |
| 7135.00        | 7084.16        | 593.33         | 20.47          | 9- 0       | N 36- 0 W      | 562.79 N                          | 192.65 E | .90              |
| 7287.00        | 7234.39        | 608.26         | 23.12          | 8-30       | N 34- 0 W      | 581.73 N                          | 179.39 E | .39              |
| 7350.00        | 7296.72        | 614.62         | 9.20           | 8-18       | N 28-54 W      | 589.58 N                          | 174.59 E | 1.22             |
| 7414.00        | 7360.03        | 621.58         | 9.35           | 8-30       | N 25-12 W      | 597.90 N                          | 170.34 E | .90              |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 7477.00        | 7422.32        | 629.04         | 9.48           | 8-48       | N 21-24 W      | 606.60 N 166.59 E                 | 1.02             |
| 7539.00        | 7483.56        | 636.95         | 9.65           | 9- 6       | N 18-36 W      | 615.66 N 163.29 E                 | .85              |
| 7627.00        | 7570.42        | 649.11         | 14.15          | 9-24       | N 13-12 W      | 629.26 N 159.42 E                 | 1.04             |
| 7690.00        | 7632.51        | 658.75         | 10.67          | 10- 6      | N 7-54 W       | 639.75 N 157.46 E                 | 1.81             |
| 7753.00        | 7694.41        | 669.64         | 11.70          | 11-18      | N 5-24 W       | 651.37 N 156.11 E                 | 2.04             |
| 7815.00        | 7755.08        | 681.79         | 12.78          | 12-30      | N 1- 6 W       | 664.13 N 155.38 E                 | 2.41             |
| 7878.00        | 7816.41        | 695.78         | 14.39          | 13-54      | N 3-54 E       | 678.50 N 155.73 E                 | 2.87             |
| 7969.00        | 7904.53        | 718.24         | 22.71          | 15- 0      | N 9- 0 E       | 701.06 N 158.28 E                 | 1.85             |
| 8098.00        | 8029.21        | 751.00         | 33.12          | 14-45      | N 4- 0 E       | 733.95 N 162.03 E                 | 1.01             |
| 8347.00        | 8269.86        | 814.36         | 63.92          | 15- 0      | N 11- 0 E      | 797.28 N 170.37 E                 | .73              |
| 8476.39        | 8394.92        | 847.43         | 33.18          | 14-43      | N 9-29 E       | 829.93 N 176.27 E                 | .37              |
| 8690.00        | 8601.74        | 900.50         | 53.42          | 14-15      | N 7- 0 E       | 882.80 N 183.93 E                 | .36              |
| 9035.00        | 8935.56        | 986.94         | 87.11          | 15- 0      | N 29- 0 E      | 965.14 N 210.68 E                 | 1.62             |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 9070.00        | 8969.37        | 995.73         | 9.06           | 15- 0      | N 29- 0 E      | 973.06 N 215.07 E                 | .00              |

\*\*\*\*\*  
THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF  
\*\*\*\*\*  
9070.00 FEET EQUALS 996.55 FEET AT N 12-28 E.  
\*\*\*\*\*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lisbon

9. WELL NO.

B-810

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., B., M., OR BLK. AND  
SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug a well. Use "APPLICATION FOR PERMIT—" for such purposes.)

RECEIVED  
AUG 26 1988

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1830' FSL & 2450' FWL (NE SW)

14. PERMIT NO.

API No. 43-037-31433

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6414' GR (Ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) SUPPLEMENTARY WELL HISTORY

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilling ahead at 7915'.

18. I hereby certify that the foregoing is true and correct

SIGNED

John R. Underhill

TITLE District Drilling Supt.

DATE 8-22-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
Union Oil Company of California

3. ADDRESS OF OPERATOR  
P. O. Box 2620- Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

14. PERMIT NO.  
API No. 43-037-31433

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
1830' FSL & 2450' FWL (NE SW)  
64.14' GR (Ungraded)

RECEIVED  
SEP 6 1988

DIVISION OF  
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Lisbon

9. WELL NO.  
B-810

10. FIELD AND POOL, OR WILDCAT  
Lisbon

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☒ SUPPLEMENTARY WELL HISTORY

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Drilled to 9070' T.D. at 7:00 p.m., 8-29-88. Ran DLL-MSFL, GR, LDT, CNL, NGT, and Caliper. Circulated and conditioned hole for casing.

Ran and cemented 209 jts. and 1 piece (9052.77') of 5-1/2", 17# & 20#, L-80 & J-55, 8RD, LT&C, new, seamless casing at 9070.77' (top of float collar at 9026' and DV tool at 7717') as follows: Preceded cement with 20 bbls. FW and 20 bbls. mud flush. Cemented first stage with 400 sacks of class "H" cement with 1/4#/sx flocele. Displaced with 203 bbls. salt mud. Bumped plug; floats held. MPDP 700 psi. First stage P.D. & CIP at 9:40 p.m., 9-1-88. Dropped bomb and opened D.V. tool with 1900 psi surface pressure. Circulated hole for 3-1/2 hrs. Preceded 2nd stage cement with 20 bbls. FW and 20 bbls. mud flush. Cemented second stage with 285 sacks of class "H" cement with 1/4#/sx flocele, and 1225 sacks Halco-Lite with 1/4#/sack flocele. Tailed in with 100 sacks second stage lead cement. Displaced with 175 bbls. FW. Closed D.V. tool with 2900 psi surface pressure. Tool held. Maximum PDP 1900 psi at 2 bpm. J.C. & CIP at 4:04 a.m., 9-2-88. W.O.C.

18. I hereby certify that the foregoing is true and correct.

SIGNED John R. Underhill

TITLE District Drilling Supt.

DATE 9-2-88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells. Use "APPLICATION FOR PERMIT—" for such purposes.)

RECEIVED  
SEP 16 1988

|   |   |
|---|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-014903                             |
| 2. NAME OF OPERATOR<br>Union Oil Company of California  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 2620 - Casper, WY 82602-2620  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br>At surface<br>1830' FSL & 2450' FWL (NE SW) | 8. FARM OR LEASE NAME<br>Lisbon   |
|   | 9. WELL NO.<br>B-810  |
|   | 10. FIELD AND POOL, OR WILDCAT<br>Lisbon                                    |
|   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 10, T.30S., R.24E. |
| 14. PERMIT NO.<br>API No. 43-037-31433  | 12. COUNTY OR PARISH<br>San Juan  |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6414' GR (Ungraded)   | 13. STATE<br>Utah   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) SUPPLEMENTARY WELL HISTORY ☒

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9070' T.D.

MIRU completion unit on 9-6-88. N.U. tubing head and BOP's. Pressure tested 5-1/2" casing, tubing head, and BOP's to 3000 psi per 15 mins., O.K. Drilled cement from 7702-7717' and D.V. tool from 7717-7720'. Circulated tubing clean. Tagged up at 8987'. POOH.

Ran CNL w/GR & CCL from 8981-7500' and 4300-1000'; and CBL, VDL, GR w/CCL from 8976' to 1000'. Bond log showed fair bonding from 8976-8700' and good bonding from 8700-7200'.

Reverse circulated hole with 250 bbls. inhibited 2% KCl water. Spotted 150 gals. 15% HCl, double inhibited, w/NE & LST additives from 8625-8475'. Perforated McCracken formation from 8609-8581', 8577-8573', 8556-8548', 8546-8538', 8530-8520', and 8517-8515', with 4 spf with 4" casing gun.

Ran and landed 264 jts. (8341.43') of 2-7/8", 6.5#, L-80, EUE, 8RD, new tubing at 8358.43', with top of Model "R" packer at 8352'. N.D. BOP's. N.U. tree. Loaded annulus with packer fluid. Set packer with 25,000# compression. Pressure tested annulus to 2100 psi for 15 mins.

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct

SIGNED

John R. Underhill

TITLE

District Drilling Supt.

DATE

9-13-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Union Oil Company of California  
Lisbon Well No. B-810  
Lisbon Field  
San Juan County, Utah  
9-13-88  
Page 2

Swabbed McCracken perforations, 8515-8609', and recovered 103 bbls. fluid in 3-1/2 hours (oil cut increased from 0-50% last 1-1/2 hrs.). Well kicked off flowing. Flowed 10 bbls. fluid cut 80% oil in 1/2 hr. (Total recovered: 16 bbls. oil + 9 bbls. water and the 88 bbl. calculated water load.)

Acidized McCracken perforations, 8515-8609', with 6000 gals. 15% HCl, double inhibited w/NE & LST additives, using 300 - 7/8" O.D. ball sealers, at rate of 4-3-4.5 bpm, at 0-3150-2200-2430-2300-2610 psi. Preceded ball sealers with 200 gals. acid, then tailed in with 200 gals. acid. Had decent ball action intermittently throughout job. Pressure broke from 3150 to 2200 psi with acid on perforations. ISIP 1090 psi. 5 mins. 480 psi. 30 mins. 0 psi. Total load to recover: 195 bbls. acid and water. Swabbed well and recovered 51 bbls. water in 3 hrs. and well kicked off flowing. Flowed well on various chokes. (Total recovery: 254 bbls. oil + 246 bbls. water of 283 bbl. water and acid load.) Released rig on 9-11-88. Shut in well at 12:30 p.m., 9-11-88. Preparing to run BHP test.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |   |
|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   | 7. UNIT AGREEMENT NAME  |
| 2. NAME OF OPERATOR<br>Union Oil Company of California   | 8. FARM OR LEASE NAME<br>Lisbon   |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 2620 - Casper, WY 82602-2620   | 9. WELL NO.<br>B-810  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><br>1830' FSL & 2450' FWL (NE SW) | 10. FIELD AND POOL, OR WILDCAT<br>Lisbon                                    |
| 14. PERMIT NO.<br>API No. 43-037-31433   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 10, T.30S., R.24E. |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6414' GR (Ungraded)  | 12. COUNTY OR PARISH<br>San Juan  |
|  | 13. STATE<br>Utah   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

FIRST PRODUCTION NOTICE ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

In compliance with Onshore Oil and Gas Order No. 1, Union Oil Company of California hereby submits the following information:

First Production

Lisbon Well No. B-810 kicked off flowing on September 10, 1988. Flowed well 4 hours and recovered 92 bbls. fluid with oil cut increasing to 60% last hour. Put well on 24/64" pos. choke. Flowed 141 bbls. oil in 11 hours on September 10, 1988. (Well flowing into permanent storage tank.) Shut well in on September 11, 1988 for BHP test.

Note

Start-up of production was phoned in to Lynn Jackson, Chief, Branch of Fluid Minerals, Bureau of Land Management, Moab, Utah, on 9-14-88.

18. I hereby certify that the foregoing is true and correct

SIGNED

*John R. Underhill*  
John R. Underhill  
(This space for Federal or State office use)

TITLE District Drilling Supt.

DATE 9-14-88

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR  
Union Oil Company of California

3. ADDRESS OF OPERATOR  
P. O. Box 2620 - Casper, WY 82602-2620

DIVISION OF  
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1830' FSL & 2450' FWL (NE SW), Sec. 10, T.30S., R.24E.  
At top prod. interval reported below 2620' FNL & 2626' FWL (SE NW), Sec. 10, T.30S., R.24E.  
At total depth 2477' FNL & 2615' FEL (SW NE), Sec. 10, T.30S., R.24E.

14. PERMIT NO. DATE ISSUED  
API 43-037-31433 6-21-88

15. DATE SPUDDED 7-31-88 16. DATE T.D. REACHED 8-29-88 17. DATE COMPL. (Ready to prod.) Rel. Rig 9-11-88 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 6414' GR (Ungraded) 19. ELEV. CASINGHEAD 6415'

20. TOTAL DEPTH, MD & TVD 9070' 21. PLUG, BACK T.D., MD & TVD 8987' ETD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 0 - T.D. 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* McCracken - 8515-8609' MD; 8433-8523' TVD 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL w/GR & CCL, CBL, VDL, GR w/CCL, DLL-MSFL, GR, LDT, CNL, NGT, Cal. 27. WAS WELL CORRED No

| 28. CASING RECORD (Report all strings set in well) |                 |                |           |                  |  | AMOUNT PULLED |
|--|-----------------|----------------|-----------|------------------|--|---------------|
| CASING SIZE  | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD |  |               |
| 9-5/8"   | 36#             | 1030.84'       | 12-1/4"   | 475 sx           |  | - - -         |
| 5-1/2"   | 17# & 20#       | 9070.77'       | 8-3/4"    | 2010 sx          |  | - - -         |
|  |                 |                |           |                  |  |               |
|  |                 |                |           |                  |  |               |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
| - - -            | - - -    | - - -       | - - -         | - - -       | 2-7/8"            | 8358'          | 8352'           |
|                  |          |             |               |             |                   |                | (Top of Pkr)    |

| 31. PERFORATION RECORD (Interval, size and number) |                             |  |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |   |
|--|-----------------------------|--|--|--|---|
| 8581-8609', 8573-8577' )                           | McCracken<br>4 spf w/4" gun |  |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED  |
| 8548-8556', 8538-8546' )                           |                             |  |  | 8515-8609'                                     | 6000 gals 15% HCl, double inhibited, with NE & LST additives, w/300 7/8" ball sealers |
| 8520-8530', 8515-8517' )                           |                             |  |  |  |   |

| 33. PRODUCTION        |                 |  |                         |          |            |                                    |               |
|-----------------------|-----------------|--|-------------------------|----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
| 9-10-88               |                 | Flowing  |                         |          |            | Producing                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE   | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 10-1-88               | 24              | 16/64"   | →                       | 355      | 258        | 0                                  | 727:1         |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE  | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| 140-160               |                 | →  | 355                     | 258      | 0          | 45.7°                              |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY J. L. Axtell

35. LIST OF ATTACHMENTS  
Directional Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED John R. Underhill TITLE District Drilling Supt. DATE 10-3-88

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.   |
|-----------|-------|--------|---|
| La Sal    | 3404' | 3536'  | Limestone (Water wet. No tests.)  |
| Ismay     | 4112' | 4278'  | Anhydrite, shale, and porous dolomite<br>(Porous dolomite contains minor oil shows.<br>No tests.)                                     |
| Redwall   | 7839' | 8234'  | Limestone and porous dolomite (Porous<br>dolomite contains gas.)  |
| McCracken | 8496' | 8609'  | Sandstone with minor dolomite and shale<br>(Porous sandstones contain oil.)   |
| Lynch     | 8688' | 9031'  | Dolomite with low porosity (Porous dolo-<br>mite contains oil.)   |
|           |       |        | No DST's.   |
|           |       |        | BOP's tested daily in accordance with<br>Union Oil Company policy and reported by<br>drilling contractor personnel on tour<br>sheets. |

|             |     |       |  |
|-------------|-----|-------|--|
| OIL AND GAS |     |       |  |
| DRN         | RJF |       |  |
| JRB         | GLH |       |  |
| DTS         | SLS |       |  |
| 1-TRAS      |     | 3-AST |  |
| MICROFILM   |     | FILE  |  |

38. GEOLOGIC MARKERS

| NAME      | TOP         |                  |
|-----------|-------------|------------------|
|           | MEAS. DEPTH | TRUE VERT. DEPTH |
| La Sal    | 3418'       | 3414'            |
| Paradox   | 4027'       | 4017'            |
| Ismay     | 4112'       | 4101'            |
| Salt      | 4350'       | 4337'            |
| Base Salt | 7565'       | 7509'            |
| Redwall   | 7839'       | 7778'            |
| Ouray     | 8234'       | 8161'            |
| Elbert    | 8379'       | 8301'            |
| McCracken | 8496'       | 8414'            |
| Aneth     | 8609'       | 8523'            |
| Lynch     | 8688'       | 8600'            |
| Ophir     | 9031'       | 8932'            |

# RECEIVED

OCT 11 1988

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
3 TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UT 84180-1203

DIVISION OF  
OIL, GAS & MINING

43-037-31433

## REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Lisbon Well No. B-810  
Operator Union Oil Company of California Address P. O. Box 2620-Casper, WY 82602  
Contractor Adcor Drilling Inc. Address 1625 Broadway-Denver, CO 80202  
Location NE 1/4 SW 1/4 Sec. 10 T. 30S. R. 24E. County San Juan

### Water Sands

| <u>Depth</u> |   | <u>Volume</u>     | <u>Quality</u> |
|--------------|---|-------------------|----------------|
| From         | To  | Flow Rate or Head | Fresh or Salty |
| 1.           | NO WATER FLOWS WERE ENCOUNTERED DURING DRILLING |                   |                |
| 2.           |   |                   |                |
| 3.           |   |                   |                |
| 4.           |   |                   |                |
| 5.           |   |                   |                |

(Continue on reverse side if necessary)

Formation Tops La Sal-3418', Paradox-4027', Ismay-4112', Salt-4350', Base Salt-7565', Redwall-7839', Ouray-8234', Elbert-8379', McCracken-8496', Aneth-8609', Lynch-8688', Ophir-9031'

### Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructor or re-  
verse side)

Form approved,  
Budget Bureau No. 1004-0.02  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL

U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
Union Oil Company of California

3. ADDRESS OF OPERATOR  
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
1830' FSL & 2450' FWL (NE SW)

14. PERMIT NO.  
API 43-037-31433

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6414' GR (Ungraded)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lisbon

9. WELL NO.

8-810

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T30S, R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9070' TD; 8987' ETD'  
9-5/8" @ 1031  
5-1/2" @ 9070'

McCracken Perfs: 8581-8609', 8573-8577'  
8548-8556', 8538-8546'  
8520-8530', 8515-8517'

MIRU well service unit on 3-30-89. Ran Base Temperature Log from 8350-8700', with maximum recorded temperature of 145° F. Pumped 55 bbls. 2% KCl to kill well. N.D tree. N.U. BOP. Set 40,000# on packer. Tested BOP to 2000 psi. Ran Data Frac on McCracken perfs 8515-8609', as follows: Pumped 95 bbls. 2% KCl water to clean tubing and casing at 12 bpm at 5400-7100 psi. RIH with BHP bombs. Pumped 50 bbls. 2% KCl slick water at 15 bpm and 7000 psi. Ran step-rate test, pumping 2 mins. each stage, as follows: Pumped 1/4 bpm at 0 psi, 1/2 bpm at 0 psi, 1 bpm at 0 psi, 2 bpm at 548 psi, 4 bpm at 1532 psi, 8 bpm at 3170 psi, 12 bpm at 4789 psi. Started 1 bpm flow back. Pumped 14 bpm at 5310 psi and 16 bpm at 6828 psi. S.D. On vacuum 45 secs. Pumped 340 bbls. 40% crosslinked gel at 15 bpm at 4950-5625 psi. Flushed with 50 bbls. 2% KCl at 15 bpm at 4930 psi. ISIP 1736 psi. 444 psi after 10 mins. On vacuum after 20 mins. Closure pressure 4800 psi bottom hole.

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct.

SIGNED

John R. Underhill

TITLE

District Drilling Supt.

DATE

4-13-89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

Lisbon Well No. B-810  
San Juan County, Utah  
4-13-89  
Page 2

Ran second leak-off test. Pumped 50 bbls. 40# crosslinked gel at 15 bpm at 4450-5000 psi. Flushed with 90 bbls. 40# gel at 15 bpm at 5000 psi. Opened flowmeter at 1 bpm during flush. Closure pressure 4800 psi bottom hole. POOH with bomb. Ran after frac temperature survey. Showed major cool down at 8538-8614'. Sandfractured McCracken perforations 8515-8609' with 1324 bbls. 40# HPG gel and 137,000 lbs. of 20-40 ISP in four stages, as follows: Pumped 938 bbls. of gelled pad at 15 bpm at 4780-5380 psi, 52 bbls. gel w/4 ppg ISP at 15 bpm at 4910 psi, 31 bbls. gel w/9 ppg ISP at 15 bpm at 4520 psi, 246 bbls. gel w/12 ppg ISP at 15 bpm at 4180-3900 psi. Flushed with 46 bbls. gelled 2% KCl at 15 bpm at 4580-4910 psi. ISIP 2140 psi. 1880 psi after 5 mins. 426 psi after 45 mins. SDOS.

Opened well with well on slight vacuum. P.U. sinker bars on sand line and TIH. Tagged sand at 7680'. TOOH laying down sinker bars. Pulled packer loose. TOOH with 5 dry stands, 22 wet stands, and the remaining stands dry. Pulled 8-10,000# over string weight on the first 50 stands. P.U. notched collar and TIH and tagged at 8200'. Pumped 110 bbls. 2% KCl water before gaining circulation. Cleaned out packed ISP from 8200-8520', losing circulation at top of perforations. POOH with tubing. P.U. hydrostatic bailer and TIH, tagging ISP at 8430'. Bailed ISP from 8430-8550' and fell through. TIH to 8870' without encountering any ISP. TOOH laying down bailer.

P.U. new double-grip packer and seating nipple on 2-7/8" tubing and TIH. Pumped 20 bbls. 2% KCl water down tubing to kill well and 40 bbls. 2% KCl down annulus. Finished TIH with tubing, setting packer at 8352' with S.N. at 8251'. Set packer with 25,000# compression. Opened packer bypass and loaded annulus with packer fluid (140 bbls. 2% KCl, containing 110 gals. COAT-1400 and 5 gals. bactericide). N.U. tree. Tested annulus to 1500 psi for 15 mins., O.K. R.U. to swab. Swabbed and flowed 460 BO and 130 bbls. of 2612 BLW. Flowed 235 BO and 26 BW/24 hrs. on 10/64" choke with 210 psi. R.D. pulling unit on 4-10-89. Returned to production.

Production Before WO: (February 1989 Average) - 135 BOPD & 276 MCFD gas

Production After WO: (4-12-89) - Flowed 356 BOPD + 8-1/2 BWPD & 303  
MCFD gas on 8/64" choke w/340 psi FTP





May 05, 1989

RECEIVED  
MAY 08 1989

State of Utah  
Dept of Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

UNDESIRABLE EVENT REPORT  
PURSUANT TO STATE OIL &  
GAS CONSERVATION RULE 319

Dear Sir:

Following please find a written report for a release of produced fluids at the Lisbon McCracken Well B-810 production site on Thursday, May 4, 1989.

All spilled liquids were contained surrounding the facility.

1. Specific Nature and Cause of Incident

A separator/treater inlet control valve was washed out by sand production (Approximately 1/2" hole) resulting in a release of produced fluids.

2. Location of Incident

San Juan County, Utah, Lisbon Field B-810, Section 10, T30S, R24N, Lease No. U-014903. 43-037-31433 SE/SW

3. Description of Resultant Damage & Volume of Pollutant Discharged

Produced fluids were discharged. Some oil sprayed up to 200 ft off of the location but most was contained on the location. Approximately 95 bbls were discharged. No oil drained from the site and no permanent damage resulted.

4. Date and Time of Occurrence

2 a.m. on 5-4-89

5. Length of Time Required to Control Incident or Contain Pollutants.

It is estimated that oil was discharged over a 6 hour period. The well was immediately shut in when the incident was discovered at 8:00 a.m. 5-4-89.

6. Action Taken to Prevent Recurrence

Reduce well rate when producing sand and survey flowline periodically for erosion.

7. Measures Taken to Clean-Up Pollutants

All free, oil was picked up & recovered by vacuum truck (about 90 bbls). Oiled brush and sand were collected and disposed of.

8. The Make or Manufacturer, Size, Working and Test Pressures, Date of Installation, Type of Use, Physical Damage, Etc. of Any Equipment Causing or Directly Involved with the Incident.

2 inch Kim Ray Model 2400-SMA-23MVP-High-Low control valve, maximum working pressure 3000 psig. A 1/2" diameter hole was eroded below the seat by sand production.

9. Other Federal or State Agencies Notified of Incident

Reported to Ken Rhea, U.S. Dept of the Interior, Bureau of Land Management, Moab District Office at 9:30 a.m. 5-4-89 by phone and in writing on 5-5-89.

This event is believe to fall under State of Utah Rule 319 (f) of the Oil & Gas Conservation General Rules.

If any additional information is required, feel free to contact me at the above phone number.

Sincerely,



Roger A. Dombrowski  
Area Production Superintendent

RAD:aj

Attachment

cc: Well File  
State Reports File  
L.L. Reed

OPERATOR Union Oil Company of California  
ADDRESS 3300 North Butler Avenue Suite 200  
Farmington, New Mexico 87401OPERATOR ACCT. NO. N1030

| ACTION CODE   | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER                   | WELL NAME           | WELL LOCATION |    |     |     |          | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|------------------------------|---------------------|---------------|----|-----|-----|----------|-----------|----------------|
|   |                    |                |                              |                     | QQ            | SC | TP  | RG  | COUNTY   |           |                |
| C   | 09750              | 09740          | 4303716469                   | LISBON UNIT #B-610  | NENW          | 10 | 30S | 24E | SAN JUAN | 8/14/59   | 6/01/90        |
| WELL 1 COMMENTS:<br>TO CREATE THE MCCrackEN UNIT<br><i>Fed.-Lease Prod. Zone - McCracken</i><br><i>Field - Lisbon</i><br><i>Unit - Lisbon "McCracken" eff. 2-1-90</i><br><i>* changed 7-23-90</i> |                    |                |                              |                     |               |    |     |     |          |           |                |
| C   | 10770              | 09740          | 4303731323                   | LISBON UNIT #C-910  | SWSE          | 10 | 30S | 24E | SAN JUAN | 7/14/87   | 6/01/90        |
| WELL 2 COMMENTS:<br>TO CREATE THE MCCrackEN UNIT<br><i>Fed.-Lease Prod. Zone - McCracken</i><br><i>Field - Lisbon</i><br><i>Unit - Lisbon "McCracken" eff. 2-1-90</i>                             |                    |                |                              |                     |               |    |     |     |          |           |                |
| C   | 10872              | 09740          | 4303731351                   | LISBON UNIT #B-614A | NENW          | 14 | 30S | 24E | SAN JUAN | 5/18/88   | 6/01/90        |
| WELL 3 COMMENTS:<br>TO CREATE THE MCCrackEN UNIT<br><i>Fed.-Lease Prod. Zone - McCracken</i><br><i>Field - Lisbon</i><br><i>Unit - Lisbon "McCracken" eff. 2-1-90</i>                             |                    |                |                              |                     |               |    |     |     |          |           |                |
| C   | 10904              | 09740          | <sup>POW</sup><br>4303731433 | LISBON UNIT #B-610  | NESW          | 10 | 30S | 24E | SAN JUAN | 7/31/88   | 6/01/90        |
| WELL 4 COMMENTS:<br>TO CREATE THE MCCrackEN UNIT<br><i>Fed.-Lease</i><br><i>Field - Lisbon</i><br><i>Unit - Lisbon "McCracken" eff. 2-1-90</i>  |                    |                |                              |                     |               |    |     |     |          |           |                |
|   |                    |                |                              |                     |               |    |     |     |          |           |                |
| WELL 5 COMMENTS:  |                    |                |                              |                     |               |    |     |     |          |           |                |

## ACTION CODES (See instructions on back of form)

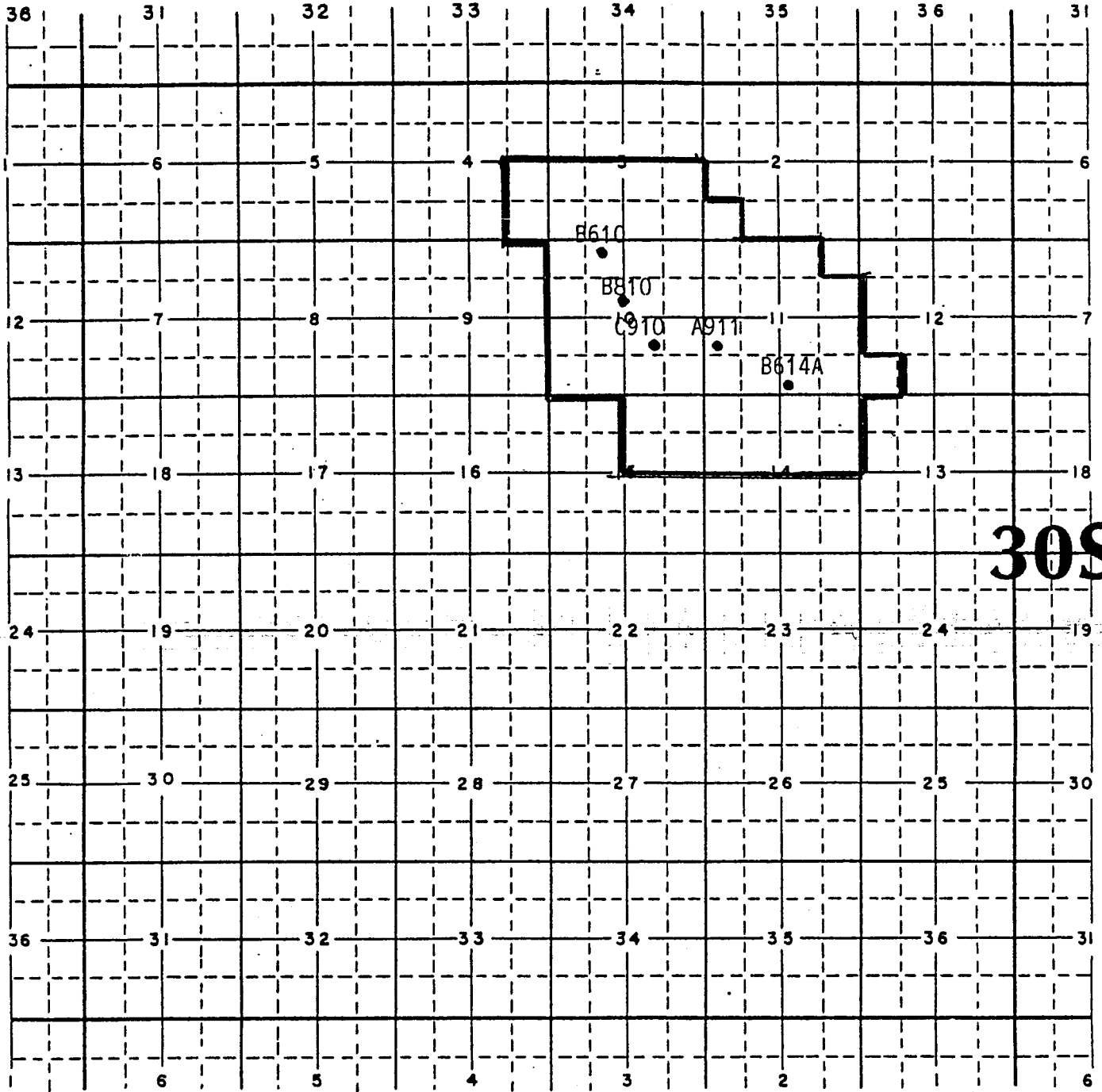
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED  
JUL 19 1990DIVISION OF  
OIL, GAS & MININGSignature Paul WestDistrict Production 7-13-90  
Title Manager DatePhone No. (505) 326-7600

# LISBON (MC CRACEN) UNIT



**30S**

**24E**

Allocation

|         |          |
|---------|----------|
| Federal | 99.9759% |
| State   | 0.0241%  |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 760, Moab, Utah 84532

(801)686-2236

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 10; T30S, R24E

5. Lease Designation and Serial No.

U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Lisbon Unit

8. Well Name and No.

B-810

9. API Well No.

43-037-31433

10. Field and Pool, or Exploratory Area

McCracken

11. County or Parish, State

San Juan Co., Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

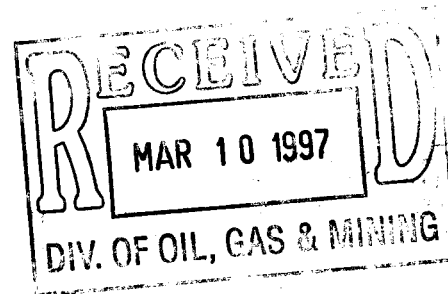
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Install Gas Lift Equip  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Union Oil Company of California, dba, Unocal, wishes to return well B-810 to production by installing a gas assisted plunger lift system. This well has been shut in since 1992.



14. I hereby certify that the foregoing is true and correct

Signed

*Paul J. Lutz*

Title

*Field Foreman*

Date

*3-5-97*

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

## SUBMIT IN TRIPLICATE

## 1. Type of Well

☒ Oil Well  
☐ Gas Well  
☐ Other

## 2. Name of Operator

TOM BROWN, INC

(303)260-5000

## 3. Address and Telephone No.

555 17th STREET, STE 1850, DENVER, CO 80202-3918

## 4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1830' FSL &amp; 2450' FWL, Sec. 10, T30S, R24E

## 5. Lease Designation and Serial No.

U-014903

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA, Agreement Designation

McCracken Unit

## 8. Well Name and No.

Lisbon #B-810

## 9. API Well No.

43-037-31433

## 10. Field and Pool, or Exploratory Area

Lisbon

## 11. County or Parish, State

San Juan, Utah

## 12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

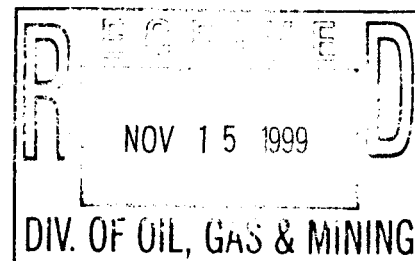
## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG BACK McCRACKEN AND RECOMPLETE TO MISSISSIPPIAN

(SEE ATTACHED PROCEDURE. NOTE: ORIGINAL OPEN-HOLE LOGS WERE RUN FROM TD TO 8500'.

THEREFORE, CASSED HOLE LOGS WILL BE REQUIRED TO SELECT PERFORATIONS IN THE MISSISSIPPIAN INTERVAL BETWEEN 7,839' AND 8,496')

COPY SENT TO OPERATOR

Date: 11-12-99  
Initials: CHDAccepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

## 14. I hereby certify that the foregoing is true and correct

Signed

*Bryan R. Adair, P.E.*

Title Operations Engineer

Date 11/12/99

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Federal Approval of this  
Action is Necessary

**Lisbon B-810 Recompletion Procedure  
1830' FSL, 2450' FWL, Sec. 10, T30S, R24E  
San Juan County, Utah**

**Recomplete from McCracken to Mississippian:**

1. Notify BLM. Inspect anchors. Set frac tanks for flowback. RU H<sub>2</sub>S safety equipment.
2. MIRU workover rig. Hold pre-job safety meeting.
3. Blow down well. Kill well with 2% KCl water.  
(Note: Keep casing loaded throughout job to keep well dead and prevent casing collapse. Paradox Salt from 4,350' to 7,565'.)
4. ND tree. NU 7-1/16" 3,000# BOPE. Pressure test backside to 1000# for 30 min.
5. Hot oil tubing. Release Baker model R-3 DG packer @ 8,343'. TOO H w/ 2-7/8" 6.5# L-80 EUE 8rd tubing. LD gas lift equipment. Redress model R pkr to run back in.
6. RU WL. RIH w/ Computalog PND-S tool and log from PBTD 9,070' to 7,600".
7. RIH w/ CIBP and set in 5-1/2", 17# S-95 casing at 8,445'.
8. RIH and perforate Mississippian w/ 2 JSPF, 90 deg phasing using 4" debris-less casing guns with 23g charges as follows: (Correlate to new Computalog PND-S log.)

(Perforations to be determined from cased hole log.)

9. PU and TIH w/ Baker model R-3 DG packer on inspected 2-7/8" tubing. Set packer @ +/- 60' above top perf.
10. RU acid equipment. Open packer bypass, spot 12,000 gal 15% SWIC HCl w/ additives. Close bypass and breakdown perms. Flush to top of perforations and flow back until load recovered.
11. Load backside w/ inhibited packer fluid from surface. Pressure test casing and packer to 1,000#.
12. ND BOPE. NU tree.
13. Swab well in. RTP. RDMO.

CURRENT WELLBORE DIAG  
MCCRACKEN WELL 8810  
LISBON VALLEY FIELD  
SAN JUAN COUNTY, UTAH

dmv/5/11/89

CASING DESIGN

9 5/8" 38# • 1031'

5 1/2" 17# • 9140'

Sec. 10, T30S, R24E

Spudded 7-31-88

First Production 9-12-

TUBING DETAIL

7.35 Baker 5 1/2" x 2 7/8" R3 packer big bore dbl grip

1.1 2 7/8" cup type nipple Id 2.25"

8326.44 265 jts 2 7/8" 6.5# L-80 8rd eue new  
seamless tbg

8334.89 Current Total Tubing  
17 BKDB

8351.89 FHD

PERFORATING DETAIL

McCracken Perforations:

8515-8517

8520-8530

8538-8545

8548-8556 --- 4 JSPF W/ 4" Gun

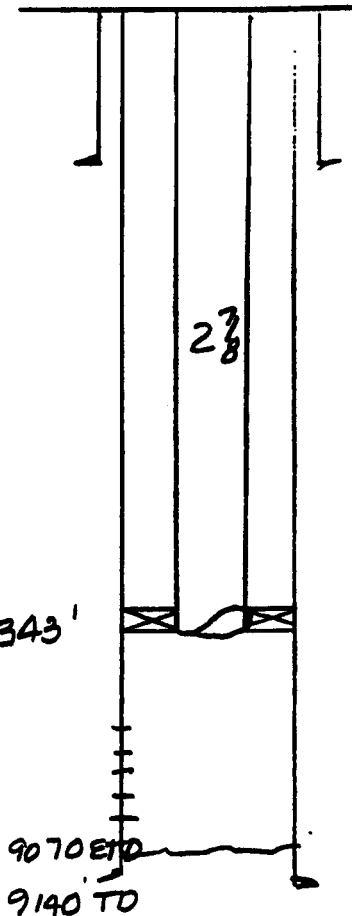
8573-8577

8581-8609

Acidized with 6000 gal 15% HCL  
w/additives, 300 7/8" ball sealers

9070 ETD

9140 TD





FORM 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

## 1. Type of Well

☒ Oil Well  
☐ Gas Well  
☐ Other

## 2. Name of Operator

TOM BROWN, INC (303)260-5000

## 3. Address and Telephone No.

555 17th STREET, STE 1850, DENVER, CO 80202-3918

## 4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1830' FSL &amp; 2450' FWL, Sec. 10, T30S, R24E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

## 5. Lease Designation and Serial No.

U-014903

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or C.A. Agreement Designation

McCracken Unit

## 8. Well Name and No.

Lisbon #B-810

## 9. API Well No.

43-037-31433

## 10. Field and Pool, or Exploratory Area

Lisbon

## 11. County or Parish, State

San Juan, Utah

## 12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☒ Notice of Invent  
☐ Subsequent Report  
☐ Final Abandonment Notice

## TYPE OF ACTION

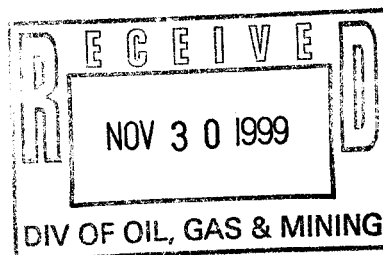
☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG BACK McCRACKEN AND RECOMPLETE TO MISSISSIPPIAN  
 (SEE ATTACHED PROCEDURE. NOTE: ORIGINAL OPEN-HOLE LOGS WERE RUN FROM TD TO 8500'.  
 THEREFORE, CASD HOLE LOGS WILL BE REQUIRED TO SELECT PERFORATIONS IN THE MISSISSIPPIAN  
 INTERVAL BETWEEN 7,839' AND 8,496')



14. I hereby certify that the foregoing is true and correct

Signed

Title Operations Engineer

Date 11/12/99

(This space for Federal or State Office use)

Approved by

Title

Date

(Conditions of approval, if any)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representation or to willfully conceal or withhold any information.

\*See Instruction on Reverse Side

COPY SENT TO OPERATOR

Date

Initials

 12-17-99  
 CHS

 Approved by the  
 Utah Division of  
 Oil, Gas and Mining

Date: 12/6/99

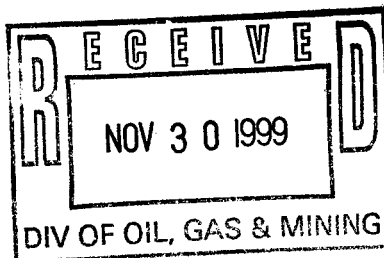
By:

**TOM BROWN, INC.**

555 Seventeenth Street, Suite 1850  
Denver, Colorado 80202-3918

Engineering Department

**FAX**



DATE: 11/30/99 TRANSMITTAL #: \_\_\_\_\_

Number of Pages (Including Cover): 12

TO: LISHA CORDOVA

FROM: BYRON GALE

PH 303-260-5036.

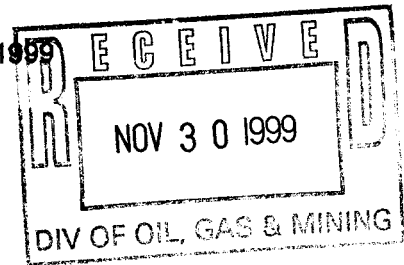
MESSAGE: THE LISBON B-810 WAS THE NEXT  
WORKOVER WE PREVIOUSLY DISCUSSED (BUT  
YOU WEREN'T SURE IF YOU HAD RECEIVED  
THE SUNDY - COPY ATTACHED). ALSO  
ENCLOSED IS THE DIRECTIONAL SURVEY  
WITH MY CALCULATIONS ON TOP  
OF MISSISSIPPIAN COORDINATES. I'LL  
FOLLOW-UP WITH A CALL LATER TODAY.  
BRG.

\*\*\*If Problems occur please call Tom Brown, Inc. at 303/260-5000

Tom Brown's Engineering Department Fax #: 303/260-5007 & 303/260-5008

**TOM BROWN, INC.**

November 30, 1999



Lisha Cordova  
Utah Division of Oil, Gas, and Mining  
Fax (801) 359-3940

RE: Lisbon B-810 Recompletion  
Lisbon Field  
San Juan County, Utah

Dear Lisha:

As per your request, I have calculated the coordinates where the top of the Mississippian is located within the Lisbon B-810 wellbore in the Lisbon Field, San Juan County, Utah. This well was originally drilled and completed by Unocal in the McCracken Interval, and now Tom Brown, Inc. plans to recomplete the well to the uphole Mississippian zone. The following information was provided on the original well completion report:

Surface location: 1830' FSL & 2450' FWL, Sec. 10, T30S, R24E  
Top McCracken: 2620' FNL & 2626' FWL, Sec. 10, T30S, R24E  
(Top McCracken at measured depth 8496')  
Total depth: 2477' FNL & 2615' FEL, Sec. 10, T30S, R24E  
(Total measured depth 9070')

Based on the attached directional survey, the top of the Mississippian (measured depth 7,839') is located 669.6 feet north and 155.5 feet east of the surface location, which translates to the following coordinates:

Top Mississippian: 2500' FSL & 2605' FWL, Sec. 10, T30S, R24E

If you have any questions or need additional information, please contact me at (303) 260-5036.

Sincerely,

TOM BROWN, INC.

A handwritten signature in cursive script that reads "Byron R. Gale".

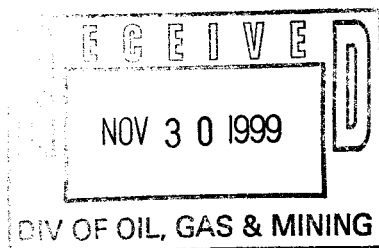
Byron R. Gale, P.E.  
Operations Engineer

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

MAGNETIC DIRECTIONAL SURVEY  
FOR

\*\*\*\*\*  
\*UNION OIL OF CALIFORNIA\*  
\*\*\*\*\*

JOB NUMBER: 41ER0888052  
WELL NAME: LISBON B-810  
LOCATION: SAN JUAN CO., UTAH  
SURVEY DATE: 09/06/88  
SURVEY ENGINEER: D. URBAN  
METHOD OF CALCULATION: THE RADIUS OF CURVATURE  
VERTICAL SECTION: CALCULATED USING PROPOSAL OF N 14-48 E  
COMMENTS:



\*\*\*\*\*  
\* THIS SURVEY IS CORRECT TO THE BEST OF MY \*  
\*KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.\*  
\*  
\*  
\* \*\*\*\*\*  
\* COMPANY REPRESENTATIVE \*  
\* \*\*\*\*\*

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE |          | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|----------|------------------|
| 1102.00        | 1101.87        | 8.44           | 14.43          | 1-30       | N 69- 0 E      | 5.17 N                            | 13.47 E  | .14              |
| 1332.00        | 1331.77        | 13.20          | 7.02           | 2- 0       | N 55- 0 E      | 8.46 N                            | 19.65 E  | .28              |
| 1551.00        | 1550.62        | 19.45          | 8.12           | 2-15       | N 54- 0 E      | 13.17 N                           | 26.26 E  | .12              |
| 1760.00        | 1759.44        | 26.16          | 8.66           | 2-30       | N 54- 0 E      | 18.26 N                           | 33.27 E  | .12              |
| 2007.00        | 2006.18        | 34.92          | 11.31          | 2-45       | N 54- 0 E      | 24.91 N                           | 42.42 E  | .10              |
| 2300.00        | 2298.70        | 47.89          | 16.61          | 3-45       | N 53- 0 E      | 34.79 N                           | 55.77 E  | .34              |
| 2450.00        | 2448.42        | 55.13          | 9.16           | 3-15       | N 52- 0 E      | 40.37 N                           | 63.04 E  | .34              |
| 2603.00        | 2601.11        | 62.89          | 9.67           | 4- 0       | N 51- 0 E      | 46.39 N                           | 70.61 E  | .49              |
| 2786.00        | 2783.61        | 73.97          | 13.56          | 4-30       | N 49- 0 E      | 55.11 N                           | 81.00 E  | .28              |
| 3048.00        | 3044.61        | 93.18          | 22.83          | 5-30       | N 46- 0 E      | 70.53 N                           | 97.83 E  | .39              |
| 3192.00        | 3187.88        | 105.59         | 14.43          | 6- 0       | N 45- 0 E      | 80.64 N                           | 108.12 E | .35              |
| 3349.00        | 3343.91        | 120.42         | 17.43          | 6-45       | N 48- 0 E      | 92.64 N                           | 120.77 E | .52              |
| 3506.00        | 3499.82        | 135.49         | 18.45          | 6-45       | N 52- 0 E      | 104.50 N                          | 134.90 E | .30              |
| 3669.00        | 3661.69        | 150.55         | 19.16          | 6-45       | N 54- 0 E      | 116.03 N                          | 150.20 E | .14              |
| 3823.00        | 3814.55        | 165.40         | 18.77          | 7-15       | N 51- 0 E      | 127.45 N                          | 165.09 E | .40              |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 3981.00        | 3971.24        | 181.44         | 20.28          | 7-30       | N 54- 0 E      | 139.80 N 181.18 E                 | .29              |
| 4138.00        | 4126.90        | 197.55         | 20.49          | 7-30       | N 52- 0 E      | 152.13 N 197.54 E                 | .17              |
| 4234.00        | 4222.13        | 207.45         | 12.12          | 7- 0       | N 48- 0 E      | 159.92 N 206.82 E                 | .74              |
| 4568.00        | 4553.42        | 243.36         | 42.44          | 7-36       | N 46- 0 E      | 188.86 N 237.86 E                 | .20              |
| 4913.00        | 4894.84        | 286.56         | 49.50          | 8-54       | N 42- 0 E      | 224.47 N 272.24 E                 | .41              |
| 4989.00        | 4969.93        | 297.06         | 11.76          | 8-54       | N 41-12 E      | 233.26 N 280.05 E                 | .16              |
| 5053.00        | 5033.18        | 305.90         | 9.79           | 8-42       | N 39-18 E      | 240.73 N 286.37 E                 | .55              |
| 5116.00        | 5095.48        | 314.45         | 9.37           | 8-24       | N 38-30 E      | 248.02 N 292.25 E                 | .51              |
| 5178.00        | 5156.83        | 322.70         | 8.90           | 8- 6       | N 34-54 E      | 255.15 N 297.57 E                 | .96              |
| 5241.00        | 5219.23        | 331.04         | 8.71           | 7-48       | N 28-12 E      | 262.57 N 302.13 E                 | 1.55             |
| 5304.00        | 5281.65        | 339.42         | 8.50           | 7-42       | N 20-18 E      | 270.32 N 305.61 E                 | 1.70             |
| 5367.00        | 5344.09        | 347.79         | 8.39           | 7-36       | N 12-36 E      | 278.35 N 307.99 E                 | 1.63             |
| 5429.00        | 5405.55        | 355.88         | 8.14           | 7-30       | N 4-42 E       | 286.40 N 309.21 E                 | 1.68             |
| 5493.00        | 5469.00        | 364.01         | 8.41           | 7-36       | N 4-24 W       | 294.79 N 309.23 E                 | 1.87             |
| 5573.00        | 5548.26        | 373.65         | 10.86          | 8- 0       | N 20- 0 W      | 305.37 N 306.95 E                 | 2.68             |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 5698.00        | 5672.00        | 388.25         | 17.67          | 8-15       | N 19- 0 W      | 322.03 N 301.05 E                 | .23              |
| 5824.00        | 5796.54        | 483.99         | 19.17          | 9-15       | N 21- 0 W      | 340.04 N 294.49 E                 | .83              |
| 5950.00        | 5920.76        | 421.87         | 21.07          | 10- 0      | N 21- 0 W      | 359.71 N 286.94 E                 | .60              |
| 6076.00        | 6044.85        | 438.82         | 21.88          | 10- 0      | N 21- 0 W      | 380.13 N 279.10 E                 | .00              |
| 6198.00        | 6164.90        | 456.31         | 21.71          | 10-30      | N 22- 0 W      | 400.33 N 271.15 E                 | .44              |
| 6322.00        | 6286.72        | 474.95         | 23.13          | 11- 0      | N 21- 0 W      | 421.85 N 262.67 E                 | .43              |
| 6448.00        | 6418.25        | 495.24         | 24.85          | 11-45      | N 20- 0 W      | 445.13 N 253.97 E                 | .62              |
| 6602.00        | 6560.95        | 520.09         | 31.69          | 12- 0      | N 27- 0 W      | 474.17 N 241.34 E                 | .95              |
| 6758.00        | 6713.61        | 544.39         | 32.18          | 11-45      | N 25- 0 W      | 503.02 N 227.27 E                 | .31              |
| 6897.00        | 6849.82        | 565.21         | 27.71          | 11-15      | N 28- 0 W      | 527.82 N 214.90 E                 | .56              |
| 7011.00        | 6961.87        | 579.99         | 21.02          | 10- 0      | N 33- 0 W      | 545.92 N 204.24 E                 | 1.36             |
| 7135.00        | 7084.16        | 593.33         | 20.47          | 9- 0       | N 36- 0 W      | 562.79 N 192.65 E                 | .90              |
| 7287.00        | 7234.39        | 608.26         | 23.12          | 8-30       | N 34- 0 W      | 581.73 N 179.39 E                 | .39              |
| 7350.00        | 7296.72        | 614.62         | 9.20           | 8-18       | N 28-54 W      | 589.58 N 174.59 E                 | 1.22             |
| 7414.00        | 7360.03        | 621.58         | 9.35           | 8-30       | N 25-12 W      | 597.90 N 170.34 E                 | .90              |

SCIENTIFIC DRILLING INTERNATIONAL  
6634 COAL RD., CASPER, WYOMING

JOB NUMBER: 41ER0888052

DATE: 09/06/88

## INRUN SURVEY

BY

## THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | COORDINATES<br>LATITUDE DEPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-----------------------------------|------------------|
| 7477.00        | 7422.32        | 629.04         | 9.48           | 8-48       | N 21-24 W      | 606.60 N 166.59 E                 | 1.02             |
| 7539.00        | 7483.56        | 636.95         | 9.65           | 9- 6       | N 18-36 W      | 615.66 N 163.29 E                 | .85              |
| 7627.00        | 7570.42        | 649.11         | 14.15          | 9-24       | N 13-12 W      | 629.26 N 159.42 E                 | 1.04             |
| 7690.00        | 7632.51        | 658.75         | 10.67          | 10- 6      | N 7-54 W       | 639.75 N 157.46 E                 | 1.81             |
| 7753.00        | 7694.41        | 669.64         | 11.70          | 11-18      | N 5-24 W       | 651.37 N 156.11 E                 | 2.04             |
| 7815.00        | 7755.08        | 681.79         | 12.78          | 12-30      | N 1- 6 W       | 664.13 N 155.38 E                 | 2.41             |
| 7878.00        | 7816.41        | 695.78         | 14.39          | 13-54      | N 3-54 E       | 678.50 N 155.73 E                 | 2.87             |
| 7969.00        | 7904.53        | 718.24         | 22.71          | 15- 0      | N 9- 0 E       | 701.06 N 158.28 E                 | 1.85             |
| 8098.00        | 8029.21        | 751.00         | 33.12          | 14-45      | N 4- 0 E       | 733.95 N 162.03 E                 | 1.01             |
| 8347.00        | 8269.86        | 814.36         | 63.92          | 15- 0      | N 11- 0 E      | 797.28 N 170.37 E                 | .73              |
| 8476.39        | 8394.92        | 847.43         | 33.18          | 14-43      | N 9-29 E       | 829.93 N 176.27 E                 | .37              |
| 8690.00        | 8601.74        | 900.50         | 53.42          | 14-15      | N 7- 0 E       | 882.80 N 183.93 E                 | .36              |
| 9035.00        | 8935.56        | 986.94         | 87.11          | 15- 0      | N 29- 0 E      | 965.14 N 210.68 E                 | 1.62             |



SCIENTIFIC DRILLING INTERNAT—  
6634 COAL RD., CASPER, WYOM

JOB NUMBER: 41ER0888052

DATE: 09/06/88

INRUN SURVEY

BY

THE RADIUS OF CURVATURE

| MEAS.<br>DEPTH | VERT.<br>DEPTH | VERT.<br>SECT. | COURSE<br>DEV. | INC<br>D M | BEARING<br>D M | JOINTES<br>TUDENPARTURE | D-LEG<br>PER 100 |
|----------------|----------------|----------------|----------------|------------|----------------|-------------------------|------------------|
| 9070.00        | 8969.37        | 995.73         | 9.06           | 15- 0      | N 29- 0 E      | 15.07 E                 | .00              |

\*\*\*\*\*

THE HORIZONTAL DISPLACEMENT AT T<sub>1</sub>-T<sub>2</sub>

\*\*\*\*\*

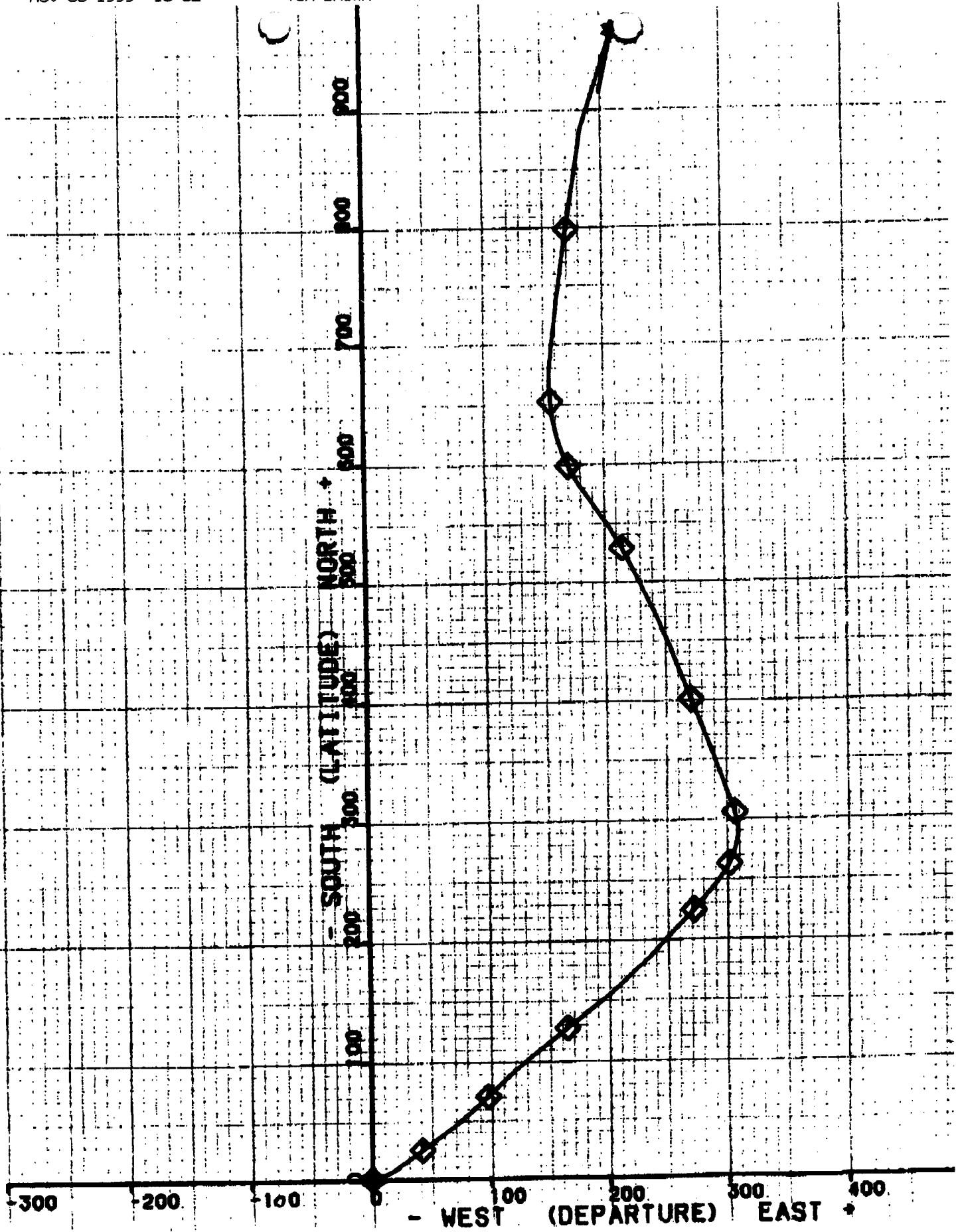
9070.00 FEET EQUALS 996.55 FEET AT T<sub>1</sub>-T<sub>2</sub>

\*\*\*\*\*

NOV-30-1999 10:02

TOM BROWN

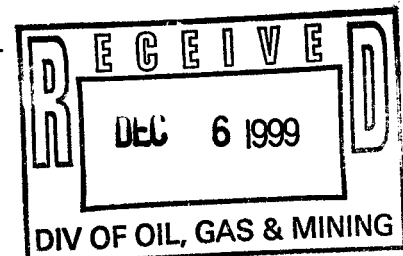
303 260 5007 P.08/12



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:  
3160  
(UT-922)

December 6, 1999

### Memorandum

To: Assistant District Manager Minerals, Moab District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 1999 Plan of Development Lisbon Unit San Juan  
County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for recompletion from the McCracken to the Mississippian, (this will transfer the well from the Lisbon McCracken Unit to the Lisbon Unit Mississippian PA).

| API #                     | WELL NAME | LOCATION                     |
|---------------------------|-----------|------------------------------|
| 43-037-31433 LISBON B-810 |           | 1830-FSL 2450-FWL 10 30S 24E |
| Top of Mississippian      |           | 2500-FSL 2605-FWL 10 30S 24E |

This office has no objection to approving the recompletion at this time.

/s/ Michael L. Coulthard

bcc: File - Lisbon Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:12-6-99

|  |                 |                  |
|--|-----------------|------------------|
| Post-It™ brand fax transmittal memo 7671 |                 | # of pages > 1/1 |
| To: LISHA Cordova                        | From: Coulthard |                  |
| Co: DOGM                                 | Co: BLM         |                  |
| Dept: Oil & Gas                          | Phone: 389-4842 |                  |
| Fax #: 389-3940                          | Fax: 389-4800   |                  |

**Lisbon B-810 Recompletion Procedure  
1830' FSL, 2450' FWL, Sec. 10, T30S, R24E  
San Juan County, Utah**

**Recomplete from McCracken to Mississippian:**

1. Notify BLM. Inspect anchors. Set frac tanks for flowback. RU H<sub>2</sub>S safety equipment.
2. MIRU workover rig. Hold pre-job safety meeting.
3. Blow down well. Kill well with 2% KCl water.  
(Note: Keep casing loaded throughout job to keep well dead and prevent casing collapse. Paradox Salt from 4,350' to 7,565'.)
4. ND tree. NU 7-1/16" 3,000# BOPE. Pressure test backside to 1000# for 30 min.
5. Hot oil tubing. Release Baker model R-3 DG packer @ 8,343'. TOOH w/ 2-7/8" 6.5# L-80 EUE 8rd tubing. LD gas lift equipment. Redress model R pkr to run back in.
6. RU WL. RIH w/ Computalog PND-S tool and log from PBTD 9,070' to 7,600".
7. RIH w/ CIBP and set in 5-1/2", 17# S-95 casing at 8,445'.
8. RIH and perforate Mississippian w/ 2 JSPF, 90 deg phasing using 4" debris-less casing guns with 23g charges as follows: (Correlate to new Computalog PND-S log.)  
  
(Perforations to be determined from cased hole log.)
9. PU and TIH w/ Baker model R-3 DG packer on inspected 2-7/8" tubing. Set packer @ +/- 60' above top perf.
10. RU acid equipment. Open packer bypass, spot 12,000 gal 15% SWIC HCl w/ additives. Close bypass and breakdown perms. Flush to top of perforations and flow back until load recovered.
11. Load backside w/ Inhibited packer fluid from surface. Pressure test casing and packer to 1,000#.
12. ND BOPE. NU tree.
13. Swab well in. RTP. RDMO.

**CURRENT WELLBORE DATA  
MCCRACKEN WELL 8810  
LISBON VALLEY FIELD  
SAN JUAN COUNTY, UTAH**

dmv/5/11/89

**CASING DESIGN**

9 5/8" 36# @ 1031'

5 1/2" 17# @ 9140'

Sec. 10, T30S, R24E

Spudded 7-31-88

First Production 9-12-

**TUBING DETAIL**

7.35 Baker 5 1/2" x 2 7/8" R3 packer big bore dbl grip

1.1 2 7/8" cup type nipple Id 2.25"

8326.44 265 jts 2 7/8" 6.5# L-80 8rd eue new  
seamless tbg

8334.89 Current Total Tubing

17 BKDB

8351.89 FHD

**PERFORATING DETAIL**

McCracken Perforations:

8515-8517

8520-8530

8538-8545

8548-8556

8573-8577

8581-8609

Acidized with 6000 gal 15% HCL

w/additives, 300 7/8" ball sealers

-- 4 JSPF W/ 4" Gun

9070 ETD

9140 TD

P 162 @ 8343'

9070 ETD

9140 TD

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau no. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

Oil                      Gas  
☐ Well      ☒ Well      ☐ Other

## 2. Name of Operator

**Tom Brown, Inc.**

## 3. Address and Telephone No.

**P.O. Box 760 Moab, UT 84532      (435) 686-2236**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Sec. 10,T30S,R24E**

## 5. Lease Designation and Serial No.

**U-014903**

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA. Agreement Designation

**Lisbon Unit**

## 8. Well Name and No.

**B-810**

## 9. API Well No.

**43-037-31433**

## 10. Field and Pool, or Exploratory Area

**Mississippian**

## 11. County or Parish, State

**San Juan Co. Utah**

## 12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

## TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other      Return to Production
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Tom Brown Inc., Wishes to inform you that the recompletion work on Lisbon Unit well# B-810 conversion from a producing McCracken oil well to a producing Mississippian gas well is complete. The well was brought on production on 12-22-99.

**RECEIVED****JAN 10 2000**

## 14. I hereby certify that the foregoing is true and correct

Signed

*Pat L. Cunningham*

Title

*Field Foreman*

Date

*1-6-2000*

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE**

|  |  |   |
|--|--|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>U-014903                       |
| 2. Name of Operator:<br>Tom Brown, Inc.  |  | 6. If Indian, Allotte or Tribe Name                   |
| 3. Address and Telephone No.<br>555 Seventeenth Street, Suite 1850, Denver, CO 80202   |  | 7. If Unit or CA/Agreement Designation<br>Lisbon Unit |
| 4. Location of Well (Footage, T, R, M, or Survey Description)<br>1830' FSL & 2450' FWL, Sec. 10, T30S, R24E                      |  | 8. Well Name and No.<br>Lisbon Unit B-810             |
|  |  | 9. API Well No.<br>43-037-31433                       |
|  |  | 10. Field and Pool, or Exploratory Area<br>Lisbon     |
|  |  | 11. County or Parish, State<br>San Juan, Utah         |

| 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA |  |
|---|--|
| TYPE OF SUBMISSION  | TYPE OF ACTION   |
| <input type="checkbox"/> Notice of Intent   | <input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (start/resume) <input type="checkbox"/> Water Shut-Off    |
| <input checked="" type="checkbox"/> Subsequent Report                             | <input type="checkbox"/> Alter Casing <input type="checkbox"/> Reclamation <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity        |
| <input type="checkbox"/> Final Abandonment Notice                                 | <input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Recomplete <input type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon                                   |
|   | <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal                                       |

13. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED JOB SUMMARY AND WELLBORE DIAGRAM.

**RECEIVED**

**JAN 24 2000**

**DIVISION OF  
OIL, GAS AND MINING**

|   |                              |
|---|------------------------------|
| 14. I hereby certify that the foregoing is true and correct   |                              |
| Name (Printed/Typed)<br>Byron R. Gale   | Title<br>Operations Engineer |
| Signature<br><i>Byron R. Gale</i>   | Date<br>01/21/2000           |
| <b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>   |                              |
| Approved by   | Title                        |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.                                 | Office                       |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for ny person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. |                              |

Well User ID: 272652 WellName: LISBON B 810 Target Formation :  
 Operator : TOM BROWN, INC.  
 Loc : NESW STR : 10 -30S - 24E APICode : 43-037-31433  
 County : SAN JUAN, UT AFE Type : Workover  
 Field : LISBON Total Depth : 0 ft.  
 Contractor :  
 Spud Date : Rig Rel Date

## Well Perforation History

| Date:      | Formation | Perf Status | Upper Perf | Lower Perf | Sht / Ft | Description: |
|------------|-----------|-------------|------------|------------|----------|--------------|
| 12/19/1999 |           |             | 7964       | 8104       | 2        | 90 deg 23 gm |
| 12/19/1999 |           |             | 8114       | 8154       | 2        | 90 deg 23 gm |
| 12/19/1999 |           |             | 8172       | 8212       | 2        | 90 deg 23 gm |

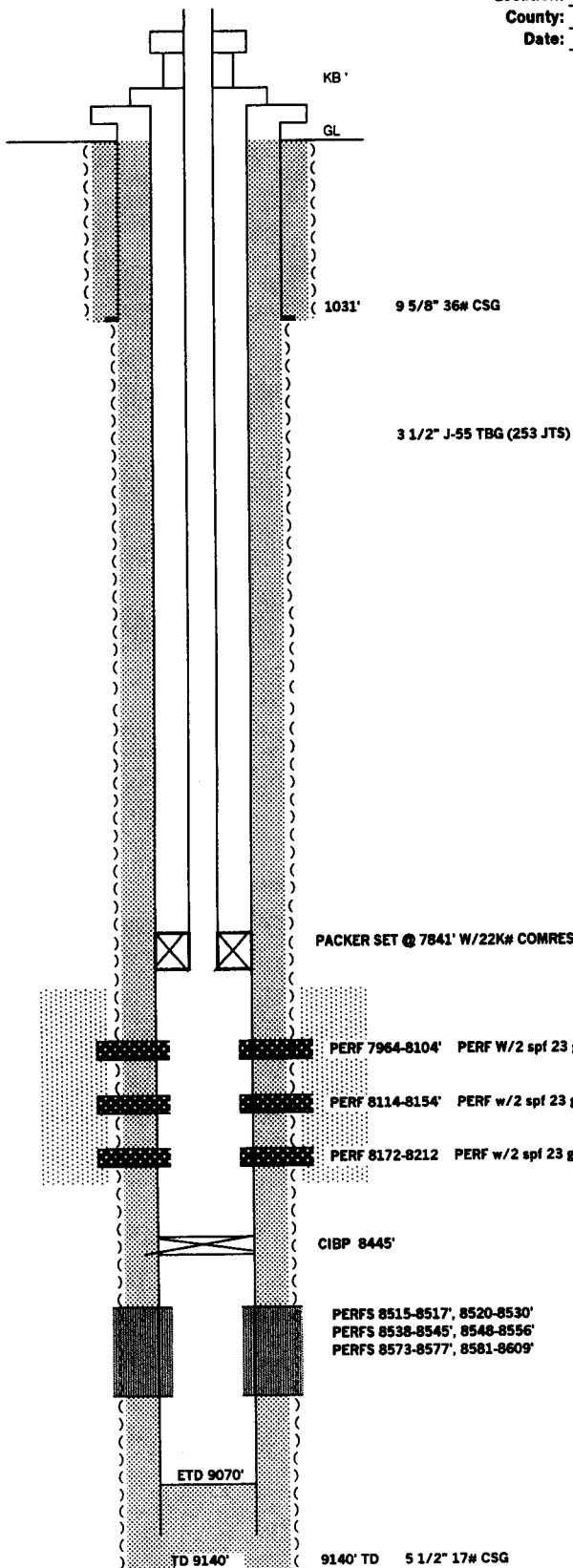
## Completions Detail Report

|           |   |          |  |                       |
|-----------|---|----------|--|-----------------------|
| Date :    | 12/15/1999  | Weather: |  | Days Since Spud :     |
| Activity: | Run PND-S log   |          |  | Days On Completion: 1 |
| Remarks : | MIRU SITP 350, SICP 350, blow dn well, pmp kill, ND WH, NU BOP, rel pkr, LD 2 7/8 tbg, SDFN.  |          |  |                       |
| Date :    | 12/16/1999  | Weather: |  | Days Since Spud :     |
| Activity: | PU 3 1/2" tbg   |          |  | Days On Completion: 2 |
| Remarks : | SICP 200, bleed off press, RIH w/computa log PND-S tool, could not get past 8584', log f/8584-7600, f/4500-4000, RIH and set CIBP @ 8445', SDFN.  |          |  |                       |
| Date :    | 12/17/1999  | Weather: |  | Days Since Spud :     |
| Activity: | Trip tbg  |          |  | Days On Completion: 3 |
| Remarks : | PU 3 1/2" tbg, RIH to 7500, POOH w/tbg, SDFN.   |          |  |                       |
| Date :    | 12/18/1999  | Weather: |  | Days Since Spud :     |
| Activity: | Perf  |          |  | Days On Completion: 4 |
| Remarks : | SD.   |          |  |                       |
| Date :    | 12/19/1999  | Weather: |  | Days Since Spud :     |
| Activity: | Perf  |          |  | Days On Completion: 5 |
| Remarks : | RIH and perf w/2 spf 90 deg phasing 23 gm charges f/8172- <sup>8212</sup> <del>8112</del> , 8114-8154, 7964-8104, no gas entry, PU pkr and 3 1/2 tbg RIH 200 jts, SDFN.   |          |  |                       |
| Date :    | 12/20/1999  | Weather: |  | Days Since Spud :     |
| Activity: | Hook up well f/production   |          |  | Days On Completion: 6 |
| Remarks : | Fin RIH w/production string as follows:<br>Baker Model R full bore 2 7/8 pkr 7.00<br>253 jts 9.3# 3 1/2 J-55 tbg 7817.09<br>KB 17.00<br>pkr @ w/22K# compression 7841 +/-<br>ND BOP , NU WH load annulus w/pkr fluid, press test to 1000# RU and swb, made 3 swb runs, well kicked off ,<br>after 6 hrs flowing 1000# on 20/64 ck, no wtr, SDFN, FINAL REPORT, hook up well to pit on production est<br>12/21/99. |          |  |                       |



# WELLBORE DIAGRAM

Company: TOM BROWN INC.  
 Lease Name: LISBON  
 Lease Number: #B-810  
 Location: NESW SEC 10-T30S-R24E  
 County: SAN JUAN COUNTY  
 Date: 1/20/00



## Tubing Detail

|                          |      |
|--------------------------|------|
| Baker Model R full       | 7    |
| bore 2 7/8" pkr          | 7817 |
| 253 jts 9.3# 3 1/2" J-55 | 17   |
| KB                       | 7841 |
| Packer @ w/22K# comp     |      |

**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

**1. Type of Well**

☐ Oil Well    ☐ Gas Well    ☐ Other

**2. Name of Operator:** EnCana Oil & Gas (USA) Inc.  
(successor in interest of Tom Brown, Inc. effective 1/1/05)

**Contact:** Jane Washburn  
**Phone:** 720/876-5431

**3. Address and Telephone No.**

370 Seventeenth Street, Suite 1700, Denver, CO 80202

**4. Location of Well**

Footages:

**SEE ATTACHED LIST OF WELLS**

QQ, Sec T,R,M:

**5. Lease Designation and Serial No.****6. If Indian, Allote or Tribe Name****7. Unit Agreement Name****8. Well Name and Number****9. API Well Number****10. Field and Pool, or Exploratory Area****11. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT  
(Submit in Duplicate)**

- ☐ Abandon  
☐ Repair Casing  
☐ Change Plans  
☐ Convert to Injection  
☐ Fracture Treat or Acidize  
☐ Multiple Completion  
☐ Other

- ☐ New Construction  
☐ Pull or Alter Casing  
☐ Recomplete  
☐ Reperforate  
☐ Vent or Flare  
☐ Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT  
(Submit Original Form Only)**

- ☐ Abandon\*    ☐ New Construction  
☐ Repair Casing    ☐ Pull or Alter Casing  
☐ Change Plans    ☐ Recomplete  
☐ Convert to Injection    ☐ Reperforate  
☐ Fracture Treat or Acidize    ☐ Vent or Flare  
☐ Water Shut-Off

☒ Other \_\_\_\_\_  
Change of Operator

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs  
on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

**12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.**

If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.  
Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

N9885

N2175

The merger of Tom Brown, Inc. with EnCana Oil & Gas (USA) Inc. was effective January 1, 2005.  
It is, therefore, requested that the Operator of all properties on the attached list be changed  
from Tom Brown, Inc. to EnCana Oil & Gas (USA) Inc.

RECEIVED

JAN 2 / 2005

DIV. OF OIL, GAS &amp; MINING

|  |   |
|--|---|
| <b>13. Name (Printed/Typed)</b><br>Jane Washburn | <b>Title</b><br>Operations Engineering Tech |
| <b>Signature</b><br><i>Jane Washburn</i>         | <b>Date</b><br>01/24/2005                   |

(This space for State use only)

APPROVED 2/24/05

ER

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

| well name                    | sec | twsp | mg   | api        | entity | lease   | well | stat | flag | unit name          | lease num    | qtr  | qtr | td   | md | d    | apd  | op no |
|------------------------------|-----|------|------|------------|--------|---------|------|------|------|--------------------|--------------|------|-----|------|----|------|------|-------|
| BIG INDIAN 36-42             | 36  | 290S | 240E | 4303731827 |        | State   | GW   | APD  |      |                    | ST-UT-37067  | SESW |     |      |    |      | 5750 | N9885 |
| FEDERAL 14-18                | 18  | 250S | 060E | 4301530060 | 436    | Federal | NA   | PA   |      |                    | UTU-69447    | SWSW |     |      |    |      |      | N9885 |
| NW USA D-1 (B-624)           | 24  | 300S | 240E | 4303716516 | 99990  | Federal |      | A    |      |                    | UTU-070034   | NENW |     |      |    |      |      | N9885 |
| FEDERAL 15-25                | 25  | 290S | 230E | 4303730317 | 4776   | Federal | GW   | S    |      |                    | UTU-986      | SWSE |     |      |    |      |      | N9885 |
| BIG INDIAN 35-24             | 35  | 290S | 240E | 4303731829 | 14409  | Federal | GW   | DRL  | C    |                    | UTU-077077   | SENE |     |      |    |      |      | N9885 |
| BIG INDIAN 27-34             | 27  | 290S | 240E | 4303731828 |        | Federal | GW   | APD  | C    |                    | N9885        |      |     |      |    |      |      |       |
| BIG INDIAN UNIT 1            | 33  | 290S | 240E | 4303716219 | 8122   | Federal | OW   | S    |      | BIG INDIAN         | UTSL-067131  | SENE |     |      |    |      |      | N9885 |
| BIG INDIAN 4                 | 14  | 300S | 250E | 4303716221 | 8124   | Federal | GW   | TA   |      | BIG INDIAN         | UTSL-089097  | SWSW |     |      |    |      |      | N9885 |
| BIG INDIAN 34-11             | 34  | 290S | 240E | 4303731818 | 14004  | Federal | D    | PA   | C    | BIG INDIAN         | UTU-014905   | NWNW |     |      |    |      |      | N9885 |
|                              |     |      |      |            |        |         |      |      |      |                    |              |      |     |      |    |      |      |       |
| BULL HORN U 10-43            | 10  | 300S | 250E | 4303731831 | 14393  | Federal | GW   | DRL  | C    | BULL HORN          | UT-73190     | SWSE |     |      |    |      |      | N9885 |
|                              |     |      |      |            |        |         |      |      |      |                    |              |      |     |      |    |      |      |       |
| LISBON B-615                 | 15  | 300S | 240E | 4303715123 | 8123   | Federal | OW   | P    |      | LISBON             | UTU-09179    | NENW |     |      |    |      |      | N9885 |
| LISBON FED 2-21F             | 21  | 300S | 250E | 4303715768 | 410    | Federal | GW   | S    |      | LISBON             | UTU-094674   | SENE |     |      |    |      |      | N9885 |
| LISBON B912                  | 12  | 300S | 240E | 4303715769 | 8123   | Federal | OW   | S    |      | LISBON             | UTU-06922    | SESW |     |      |    |      |      | N9885 |
| LISBON A-713A                | 13  | 300S | 240E | 4303716236 | 8123   | Federal | GW   | PA   |      | LISBON             | UTSL-070034  | SWNW |     |      |    |      |      | N9885 |
| LISBON A-715                 | 15  | 300S | 240E | 4303716237 | 8123   | Federal |      | A    |      | LISBON             | UTU-020691A  | SWNW |     |      |    |      |      | N9885 |
| LISBON B-613                 | 13  | 300S | 240E | 4303716240 | 8123   | Federal | OW   | S    |      | LISBON             | UTSL-070034  | NENW |     |      |    |      |      | N9885 |
| LISBON C-69                  | 09  | 300S | 240E | 4303716245 | 8123   | Federal | OW   | S    |      | LISBON             | UTU-09179    | NWNE |     |      |    |      |      | N9885 |
| LISBON C-94                  | 04  | 300S | 240E | 4303716247 | 8123   | Federal | OW   | S    |      | LISBON             | UTU-66582    | SWSE |     |      |    |      |      | N9885 |
| LISBON UNIT D-84             | 04  | 300S | 240E | 4303716250 | 8123   | Federal | OW   | P    |      | LISBON             | UTU-015445   | NESE |     |      |    |      |      | N9885 |
| LISBON D-89                  | 09  | 300S | 240E | 4303716251 | 8123   | Federal | OW   | P    |      | LISBON             | UTU-015445   | NESE |     |      |    |      |      | N9885 |
| NW LISBON USA B-1 (B-614)    | 14  | 300S | 240E | 4303716468 | 8123   | Federal |      | P    |      | LISBON             | UTSL-070008A | NENW |     |      |    |      |      | N9885 |
| NW LISBON USA A-2 (D-810)    | 10  | 300S | 240E | 4303716471 | 8123   | Federal |      | P    |      | LISBON             | UTU-14903    | NESE |     |      |    |      |      | N9885 |
| LISBON B-84                  | 04  | 300S | 240E | 4303730054 | 8123   | Federal | OW   | S    |      | LISBON             | UTU-09179    | NESW |     |      |    |      |      | N9885 |
| LISBON B-814                 | 14  | 300S | 240E | 4303730082 | 8123   | Federal | OW   | S    |      | LISBON             | UTSL-070008A | NESW |     |      |    |      |      | N9885 |
| LISBON C-99                  | 09  | 300S | 240E | 4303730693 | 8123   | Federal | OW   | P    |      | LISBON             | UTU-09179    | SWSE |     |      |    |      |      | N9885 |
| LISBON B-94                  | 04  | 300S | 240E | 4303730695 | 8123   | Federal | OW   | S    |      | LISBON             | UTU-015445   | SESW |     |      |    |      |      | N9885 |
| LISBON C-910 I               | 10  | 300S | 240E | 4303731805 | 12892  | Federal | D    | PA   |      | LISBON             | UTU-0141903  | SWSE |     |      |    |      |      | N9885 |
| LISBON D-616                 | 16  | 300S | 240E | 4303715049 | 8123   | State   | OW   | P    |      | LISBON             | ML-13692     | NENE |     | 9120 |    | 9120 |      | N9885 |
| LISBON B-616                 | 16  | 300S | 240E | 4303716242 | 8123   | State   | OW   | S    |      | LISBON             | ML-8366      | NESW |     | 8689 |    | 8689 |      | N9885 |
| BELCO ST 4 (LISBON B-816)    | 16  | 300S | 240E | 4303716244 | 8123   | State   |      | A    |      | LISBON             | ML-8366      | NESW |     | 8730 |    | 9100 |      | N9885 |
| LISBON UNIT D-716            | 16  | 300S | 240E | 4303731034 | 8123   | State   | OW   | P    |      | LISBON             | ML-13692     | SENE |     | 8794 |    | 8775 |      | N9885 |
|                              |     |      |      |            |        |         |      |      |      |                    |              |      |     |      |    |      |      |       |
| LISBON U B-610               | 10  | 300S | 240E | 4303716469 | 9740   | Federal |      | P    |      | LISBON (MCCRACKEN) | UTU-014903   | NENW |     |      |    |      |      | N9885 |
| LISBON U D-610               | 10  | 300S | 240E | 4303730694 | 9740   | Federal |      | P    |      | LISBON (MCCRACKEN) | UTU-014903   | NENE |     |      |    |      |      | N9885 |
| LISBON UNIT A-911            | 11  | 300S | 240E | 4303731014 | 9740   | Federal |      | P    |      | LISBON (MCCRACKEN) | UTSL-070008A | SWSW |     |      |    |      |      | N9885 |
| LISBON C-910                 | 10  | 300S | 240E | 4303731323 | 9740   | Federal |      | P    |      | LISBON (MCCRACKEN) | UTU-014903   | SWSE |     |      |    |      |      | N9885 |
| LISBON B-614A                | 14  | 300S | 240E | 4303731351 | 9740   | Federal |      | TA   |      | LISBON (MCCRACKEN) | UTSL-070008A | NENW |     |      |    |      |      | N9885 |
| LISBON B-810                 | 10  | 300S | 240E | 4303731433 | 9740   | Federal |      | P    |      | LISBON (MCCRACKEN) | UTU-014903   | NESW |     |      |    |      |      | N9885 |
| LISBON (MCCRACKEN) D-615     | 15  | 300S | 240E | 4303731817 |        | Federal | OW   | LA   |      | LISBON (MCCRACKEN) | N9885        |      |     |      |    |      |      |       |
| LISBON (MCCRACKEN) A-610     | 10  | 300S | 240E | 4303731821 |        | Federal | OW   | LA   |      | LISBON (MCCRACKEN) | N9885        |      |     |      |    |      |      |       |
|                              |     |      |      |            |        |         |      |      |      |                    |              |      |     |      |    |      |      |       |
| Dual Production (2 entities) |     |      |      |            |        |         |      |      |      |                    |              |      |     |      |    |      |      |       |

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION,

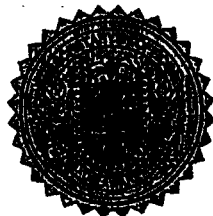
"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"TOM BROWN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2137895 8100M

040934710

*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 06:15 PM 12/22/2004  
FILED 06:15 PM 12/22/2004  
SRV 040934710 - 2137895 FILE

**STATE OF DELAWARE  
CERTIFICATE OF MERGER OF  
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

**FIRST:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

| <u>Name</u>             | <u>Jurisdiction of Incorporation</u> |
|-------------------------|--------------------------------------|
| Tom Brown, Inc.         | Delaware corporation                 |
| TBI Pipeline Company    | Delaware corporation                 |
| TBI West Virginia, Inc. | Delaware corporation                 |

**SECOND:** The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

**THIRD:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

**FOURTH:** The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

**FIFTH:** The merger is to become effective on January 1, 2005.

**SIXTH:** The Agreement and Plan of Merger is on file at 950 17<sup>th</sup> Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

**SEVENTH:** A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

**IN WITNESS WHEREOF,** said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By: Mary A. Viviano  
Mary A. Viviano, Secretary

### 3. FILE

### Designation of Agent/Operator

## Merger

**1/1/2005**

**Phone: 1-(720) 876-5068****LISBON (MCCRACKEN)**[illegible]

n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/24/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/24/2005
3. Bond information entered in RBDMS on: 2/24/2005
4. Fee/State wells attached to bond in RBDMS on: 2/24/2005
5. Injection Projects to new operator in RBDMS on: 2/24/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT1005

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB0007875
2. The FORMER operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Merger and rider of bond from Tom Brown, Inc.

## UIC FORM 5

|   |                          |                                     |
|---|--------------------------|-------------------------------------|
| Well Name and Number<br><b>See Attached List of Wells</b> |                          | API Number                          |
| Location of Well  |                          | Field or Unit Name<br><b>LISBON</b> |
| Footage : <b>24</b>                                       | County : <b>SAN JUAN</b> | Lease Designation and Number        |
| QQ, Section, Township, Range: <b>14 36 36 14</b>          | State : <b>UTAH</b>      |                                     |

(5/2000)



## Attachment to UIC Form 5

Date: 03/07/2005

| API Well Number    | Well Name          | Lease Number | Field Name | County Name | Qtr/Qtr | Section | Location (Twn-Rng)  |
|--------------------|--------------------|--------------|------------|-------------|---------|---------|---------------------|
| 43-037-16237-00-00 | LISBON A-715       | U 20691A     | LISBON     | SAN JUAN    | SWNW    | 15      | 30S-24E             |
| 43-037-16516-00-00 | NW USA D-1 (B-624) | UTSL 070034  | LISBON     | SAN JUAN    | NENW    | 24      | 30S-24E             |
| 43-037-31014-00-00 | LISBON UNIT A-911  | UTSL 070008A | LISBON     | SAN JUAN    | SWSW    | 11      | 30S-24E - <i>NO</i> |
| 43-037-31323-00-00 | LISBON C-910       | UTU 014903   | LISBON     | SAN JUAN    | SWSE    | 10      | 30S-24E - <i>NO</i> |
| 43-037-31433-00-00 | LISBON B-810       | UTU 014903   | LISBON     | SAN JUAN    | NESW    | 10      | 30S-24E - <i>NO</i> |

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/14/2010**

|   |            |            |            |   |                  |                   |                  |
|---|------------|------------|------------|---|------------------|-------------------|------------------|
| <b>FROM: (Old Operator):</b><br>N2175-EnCana Oil & Gas (USA) Inc.<br>370 17th Street, Suite 1700<br>Denver, CO 80202<br>Phone: 1 (303) 623-2300 |            |            |            | <b>TO: ( New Operator):</b><br>N3670-Patara Oil & Gas, LLC<br>333 Clay Street, Suite 3960<br>Houston, TX 77002<br>Phone: 1 (713) 357-7171 |                  |                   |                  |
| <b>CA No.</b>   |            |            |            | <b>Unit:</b>  |                  |                   |                  |
|   |            |            |            | <b>LISBON</b>   |                  |                   |                  |
| <b>WELL NAME</b>  | <b>SEC</b> | <b>TWN</b> | <b>RNG</b> | <b>API NO</b>   | <b>ENTITY NO</b> | <b>LEASE TYPE</b> | <b>WELL TYPE</b> |
| <b>SEE ATTACHED</b>   |            |            |            |   |                  |                   | <b>STATUS</b>    |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/11/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/11/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5/11/2010
- 4a. Is the new operator registered in the State of Utah: Business Number: 7655540-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: \* \* requested 9/27/10
- 5b. Inspections of LA PA state/fee well sites complete on: \* \* requested 9/27/10
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
7. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 6/28/2010 & 9/2/2010
8. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010  
Lisbon B-816 only

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 9/14/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/14/2010
3. Bond information entered in RBDMS on: 9/14/2010
4. Fee/State wells attached to bond in RBDMS on: 9/14/2010
5. Injection Projects to new operator in RBDMS on: 9/14/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 5/11/2010

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000428
2. Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0013207 & B006008
- 3b. The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|  |  |   |
|--|--|---|
| 1. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ |  | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
| 2. NAME OF OPERATOR:<br>ENCANA OIL & GAS (USA) INC. <i>N2175</i>   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |
| 3. ADDRESS OF OPERATOR:<br>370 17th Street, Suite 1700 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 623-2300       |  | 7. UNIT or CA AGREEMENT NAME:           |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: See Attached List COUNTY:  |  | 8. WELL NAME and NUMBER:                |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH   |  | 9. API NUMBER:                          |
|  |  | 10. FIELD AND POOL, OR WILDCAT:         |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |  |
|--|---|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start: _____          | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |  |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |  |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |  |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |  |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion: _____ | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |  |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |  |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |  |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective May 4, 2010 Patara Oil & Gas LLC, 333 Clay Street, Suite 3960, Houston, TX 77002, will take over completions and operations and is designated as agent operator for the subject wells on the attached list.

Bond coverage for all activities will be covered by Patara's BLM Statewide Oil & Gas Bond No. UTB000428 and UDOGM Bond No. Pending. *RLB0013207 + B006008*

Patara Oil & Gas LLC, Lane M. Kincannon, Vice-President, Land & Business Development *N3670*

Signature *[Signature]* Date 5/4/2010

|  |                               |
|--|-------------------------------|
| NAME (PLEASE PRINT) <u>Ricardo D. Gallegos</u> | TITLE <u>Attorney-in-Fact</u> |
| SIGNATURE <i>[Signature]</i>                   | DATE <u>5/4/2010</u>          |

(This space for State use only)

APPROVED 9/14/2010  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED  
*May 11 2010 ER*  
DIV. OF OIL, GAS & MINING

ENCANA O-G (N2175) to PATARA O-G (N3670)  
effective May 4, 2010  
LISBON UNIT

| well name                 | sec | tpw  | rng  | api        | entity | lease   | well | stat | C |
|---------------------------|-----|------|------|------------|--------|---------|------|------|---|
| LISBON D-616              | 16  | 300S | 240E | 4303715049 | 8123   | State   | OW   | S    |   |
| LISBON B-615              | 15  | 300S | 240E | 4303715123 | 8123   | Federal | OW   | P    |   |
| LISBON B912               | 12  | 300S | 240E | 4303715769 | 8123   | Federal | OW   | S    |   |
| LISBON A-715              | 15  | 300S | 240E | 4303716237 | 8123   | Federal | WD   | I    |   |
| LISBON B-613              | 13  | 300S | 240E | 4303716240 | 8123   | Federal | OW   | S    |   |
| LISBON B-616              | 16  | 300S | 240E | 4303716242 | 8123   | State   | OW   | S    |   |
| BELCO ST 4 (LISBON B-816) | 16  | 300S | 240E | 4303716244 | 8123   | State   | WD   | A    |   |
| LISBON C-69               | 09  | 300S | 240E | 4303716245 | 8123   | Federal | OW   | S    |   |
| LISBON C-94               | 04  | 300S | 240E | 4303716247 | 8123   | Federal | OW   | S    |   |
| LISBON UNIT D-84          | 04  | 300S | 240E | 4303716250 | 8123   | Federal | OW   | P    |   |
| LISBON D-89               | 09  | 300S | 240E | 4303716251 | 8123   | Federal | OW   | S    |   |
| NW LISBON USA A-2 (D-810) | 10  | 300S | 240E | 4303716471 | 8123   | Federal | GW   | P    |   |
| LISBON B-84               | 04  | 300S | 240E | 4303730054 | 8123   | Federal | OW   | S    |   |
| LISBON B-814              | 14  | 300S | 240E | 4303730082 | 8123   | Federal | WD   | A    |   |
| LISBON C-99               | 09  | 300S | 240E | 4303730693 | 8123   | Federal | OW   | S    |   |
| LISBON B-94               | 04  | 300S | 240E | 4303730695 | 8123   | Federal | OW   | S    |   |
| LISBON UNIT A-911         | 11  | 300S | 240E | 4303731014 | 8123   | Federal | GW   | P    |   |
| LISBON UNIT D-716         | 16  | 300S | 240E | 4303731034 | 8123   | State   | OW   | S    |   |
| LISBON C-910              | 10  | 300S | 240E | 4303731323 | 8123   | Federal | OW   | S    |   |
| LISBON B-614A             | 14  | 300S | 240E | 4303731351 | 8123   | Federal | OW   | S    |   |
| LISBON B-810              | 10  | 300S | 240E | 4303731433 | 8123   | Federal | OW   | P    |   |



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO  
3180  
UT-922

June 28, 2010

David M. Laramie  
Patara Oil & Gas, LLC  
621 17<sup>th</sup> Street, Suite 1345  
Denver, CO 80293

Re: Successor Operator  
Lisbon Unit, UTU630370  
San Juan County, Utah

Dear Mr. Laramie:

On June 25, 2010, we received an indenture dated May 4, 2010, whereby EnCana Oil & Gas (USA), Inc. resigned as Unit Operator and Patara Oil & Gas, LLC was designated as Successor Unit Operator for the Lisbon Unit, San Juan County, Utah. The indenture was executed by both parties and the signatory parties (working interest owners) have complied with Sections 5 and 6 of the unit agreement.

The instrument is hereby approved effective June 28, 2010. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Lisbon Unit Agreement.

Your statewide oil and gas BLM Bond No. UTB000428 will be used to cover unit operations.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, contact Leslie Wilcken of this office at (801) 539-4112.

Sincerely,

/s/ Roger L. Bankert

Roger L. Bankert  
Chief, Branch of Minerals

RECEIVED

JUL 06 2010

DIV. OF OIL, GAS & MINING

Enclosure

C

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Patara Oil & Gas LLC Operator Account Number: N 3670  
Address: 600 17th Street, Suite 1900S  
city Denver  
state CO zip 80202 Phone Number: (303) 563-5365

**Well 1**

| API Number   | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County   |
|--|-----------------------|-------------------|-----------|-----|----------------------------------|-----|----------|
| 4303731433   | Lisbon B-810          |                   | NESW      | 10  | 30S                              | 24E | San Juan |
| Action Code  | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |          |
| D  | 8123                  | 9740              |           |     | 3/4/2011                         |     |          |
| Comments: The producing formation has been changed from the Mississippian to the McCracken.<br><div style="text-align: right;">7/19/2011</div> |                       |                   |           |     |                                  |     |          |

**Well 2**

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

**Well 3**

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Danielle Gavito

Name (Please Print)

Signature

Permit Agent for Patara

Title

7/6/2011

Date

**RECEIVED**

**JUL 06 2011**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
Lisbon B-810

9. API NUMBER:  
4303731433

10. FIELD AND POOL, OR WILDCAT:  
Lisbon

1. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:  
Patara Oil & Gas LLC

3. ADDRESS OF OPERATOR:  
600 17th St. Ste 1900S Denver CO 80202  
PHONE NUMBER: (303) 820-4480

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1,830' FSL, & 2,450' FWL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 10 30S 24E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |  |  |
|---|---|--|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>1/11/2011 | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                                      | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                              | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                            | <input type="checkbox"/> TEMPORARILY ABANDON           |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                             | <input type="checkbox"/> TUBING REPAIR                 |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                            | <input type="checkbox"/> VENT OR FLARE                 |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:                           | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                                   | <input type="checkbox"/> WATER DISPOSAL                |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)                   | <input type="checkbox"/> WATER SHUT-OFF                |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE                    | <input type="checkbox"/> OTHER:                        |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached Recommended Recompletion Procedure

Please send a copy of all correspondence to Banko Petroleum Management, Inc. at 385 Inverness Parkway, Suite 420, Englewood, CO 80112-5849. Please contact David Banko or Danielle Gavito at 303-820-4480 or at david@banko1.com or danielle@banko1.com, respectively.

NAME (PLEASE PRINT) Danielle Gavito TITLE Permit Agent  
SIGNATURE *Danielle Gavito* DATE 7/7/2011

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

Federal Approval Of This  
Action Is Necessary

RECEIVED  
JUL 12 2011

(5/2000)

(See Instructions on Reverse Side)

\* Work completed prior to submittal of NOI - DIV. OF OIL, GAS & MINING

**Lisbon B-810 Well  
NE SW Section 10-T30S-R24E  
San Juan County, Utah**

**Recommended Recompletion Procedure  
12/29/2010 J. Warren**

**Well Data**

K.B. 6434'  
G.L. 6414'

Original Completion Date: 9/88

- Original completion in McCracken Formation
- Placed on gas lift in January, 1997
- Last production was December 1999 at 55 bopd and 225 mcf/d

Recompletion Date: 12/99

- Recompleted to Mississippian
  - Pressure buildup data:
    - Effective permeability to oil = 8.79 md
    - Effective permeability to gas = 0.042 md
    - Skin factor 1.87
    - Original P\* = 2363 psi
- New 3 1/2" tubing installed

Tubulars: Surface Casing 9 5/8" 36#/ft  
Production Casing 5 1/2" 17# & 20# (capacity = 0.0232 bbl/ft)  
Tubing 3 1/2" 9.3#/ft J-55 (capacity = 0.00870 bbls/ft)

Packer: Baker Model R-3 DG full bore 2 7/8" pkr set at 7841' w/ 22K# compression

- Packer fluid resides in 3 1/2" x 5 1/2" annulus (0.0113 bb/ft = 89 bbls)

TD: 9140'

ETD: 9070'

CIBP located above the McCracken perms: 8445'

Mississippian Perforations (Producing 810 mcf/d):

7964 – 8104', 8114 – 8154', 8172 – 8212'

- All 2 spf

McCracken Perforations (Sealed off below the CIBP @ 8445'):

8515 – 8517', 8520 – 8530', 8538 – 8545', 8548 – 8556', 8573 – 8577',  
8581 – 8609'

- All 4 jspf



### Current Well Status

The well was just recently reopened and is currently flowing high H<sub>2</sub>S gas (lethal quantities 1249 ppm) at a rate of 810 mcf/d w/ 28% CO<sub>2</sub> and 18.78% N<sub>2</sub> from three (3) Mississippian intervals. The well will build to 422 psi after two months of shut in. The well ultimately loads up and dies due to operating below the critical rate of the 3 1/2" tubing string.

The well had been plugged back in December, 1999 from the McCracken formation which at the time was still capable of 55 bopd and 225 mcf/d while be lifted with gas lift gas supplied from the Lisbon plant. The McCracken remains a viable oil production horizon and the gas lift line still is in place (though it needs to be pressure tested at 1000 psi to test for leaks).

The current wellbore diagram and the latest wellhead diagram available in the file are attached for reference. Note that a workover report in 10/96 reported a tight spot at 3630' but the workover in 12/99 did not mention any problems running a packer.

A production history plot is also attached for reference showing the original McCracken production, production with gas lift, and the current Mississippian production.

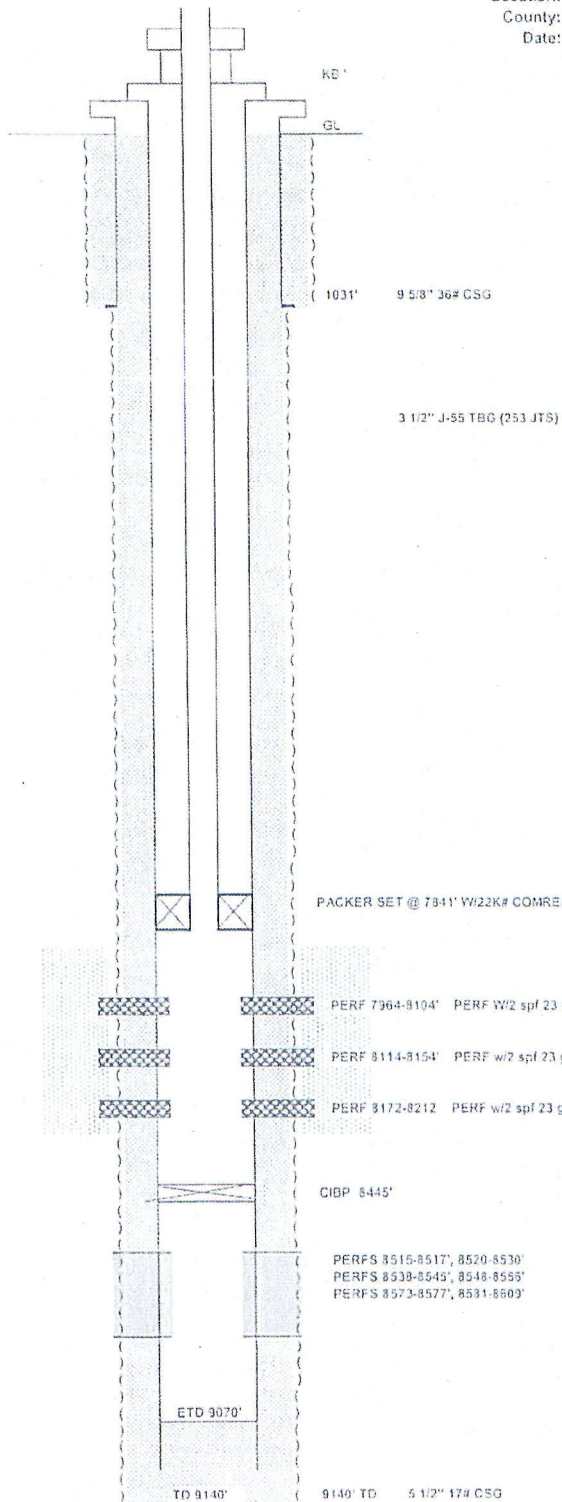
### Recommended Recompletion Procedure

1. RU safety crew to monitor all gas venting on site during the recompletion work. Be sure to double block and bleed all flowlines and production lines on the well site. A copy of the H<sub>2</sub>S Safety Plan from the B-814 workover is enclosed for reference.
2. Load hole with produced water to kill all flow. Bleed off all H<sub>2</sub>S gas. RU workover rig and wireline unit. RIH with a pump through plug and set it in the 2 7/8" SN below the packer. If gas is still present, add additional produced water into the tubing and continue to bleed down the well.
3. RU workover rig. Be sure well is dead and H<sub>2</sub>S is monitored. ND the tree and NU BOPs w/ 3 1/2" pipe rams. PU on Baker Model R-3 DG packer to release. Packer fluid on the backside should drop in level until equalized with the formation. Monitor both tbg and csg for H<sub>2</sub>S levels. Examine tree for reuse.
4. TOOH LD 3 1/2" tubing and packer. Be sure to keep the hole filled and monitor H<sub>2</sub>S levels. Move the 3 1/2" tbg off working racks. Change pipe rams to 2 3/8".
5. Unload 280 jts (approximately 8840') of new 2 3/8" 4.7#/ft L80 8rd EUE tubing.

6. MU a retainer on the tbg and TIH. Set the retainer above the Mississippian perfs at 7900' (csg collars at 7885' and 7921'). This will give 64' of staging room on the final squeeze attempts.
7. RU cementing company. Mix 300 sacks of squeeze cement slurry. Pump 10 bbls fresh water spacer, cement slurry, 10 bbls fresh water spacer and follow w/ produced water. Pump cement into perfs (anticipate that Mississippian formation will take the cement slurry without a problem. Displace the final 10 bbl water spacer to the btm of the retainer. SD if needed to give thickening time. Stage the cement to give an ultimate squeeze pressure of 1000 psi. Be sure not to stage the cement below the top perf. PU out of retainer and reverse circulate tubing using produced water. WOC.
8. POOH w/ tbg. MU bit and drill collars (if weight is needed). TIH and tag cement. If cement begins drilling green, SD and WOC. Otherwise drill out the cement through the perfs and test to 1000 psi. If squeeze doesn't test, POOH and repeat the squeeze attempt.
9. If squeeze tests, then TIH to CIBP at 8445' and drill out the CIBP. Continue to clean out the hole to 8700'. POOH. Continue to monitor for any H2S leakage.
10. MU a no-go nipple, 2 3/8" x 4' pup joint, F nipple, 2 3/8" x 4' pup jt, Model R pkr and TIH spacing out the gas lift valves as designed on the attached recommendation. Set packer at 8450'. Space out to set recommended compression on packer. Install new 2 3/8" wrap-a-around in hanger and hang off tubing.
11. ND BOPs and NU tree. If original tree was not re-useable, replace with a 2 1/16" dual master valve tree. Tie in flowline to wing valve off the new tree. Install a meter run for the gas lift supply line and tie into the annulus.
12. RD workover rig. Tie the gas lift supply line into the 1000 psi Cryo line at the Lisbon plant. Install a meter run on the supply line at the plant to be assured that there are no leaks on the supply line in the field. Test the supply line at 1000 psi.
13. Pressure up on the supply line to unload the fluid in the annulus. Begin gas lifting the McCracken formation and commence sales.
14. Move the 3 1/2" tubing string to the Lisbon yard and clean location.

# WELLBORE DIAGRAM

Company: TOM BROWN INC  
 Lease Name: LISBON  
 Lease Number: #B-310  
 Location: NESW SEC 10-T30S-R24E  
 County: SAN JUAN COUNTY  
 Date: 4/20/2000



## Tubing Detail

|                          |      |
|--------------------------|------|
| Baker Model R full       | 7    |
| bore 2 7/8" pkr          | 7317 |
| 253 jts 9.3# 3 1/2" J-55 | 17   |
| KB                       | 7341 |
| Packer @ w/22K# comp     |      |

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-014903

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK:  
NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☒ OTHER

8. WELL NAME and NUMBER:  
Lisbon B-810

2. NAME OF OPERATOR:  
Patara Oil & Gas LLC

9. API NUMBER:  
4303731433

3. ADDRESS OF OPERATOR:  
600 17th St. Ste 1900S Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 820-4480

10. FIELD AND POOL, OR WILDCAT  
Lisbon

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1,830' FSL, & 2,450' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 2,620' FNL, & 2,626' FWL SENW Sec 10

AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NESW 10 30S 24E S

12. COUNTY  
San Juan

13. STATE  
UTAH

14. DATE SPULDED:  
7/31/1988

15. DATE T.D. REACHED:  
8/29/1988

16. DATE COMPLETED:

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):  
6434 RKB

18. TOTAL DEPTH: MD  
TVD

19. PLUG BACK T.D.: MD  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Logs and directional survey on file from original completion report filed 10/3/1988.

23.  
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)  
WAS DST RUN? NO ☐ YES ☐ (Submit report)  
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 12-1/4"   | 9-5/8"     | 36#            | 0        | 1,031       |                      | 475                        |                     | surface       |               |
| 8-3/4"    | 5-1/2"     | 17# & 20#      | 0        | 9,070       |                      | 2,010                      |                     | 7200          |               |
|           |            |                |          |             |                      |                            |                     |               |               |
|           |            |                |          |             |                      |                            |                     |               |               |
|           |            |                |          |             |                      |                            |                     |               |               |
|           |            |                |          |             |                      |                            |                     |               |               |
|           |            |                |          |             |                      |                            |                     |               |               |

25. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
|      |                |                 |      |                |                 |      |                |                 |

26. PRODUCING INTERVALS

| FORMATION NAME             | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE  | NO HOLES | PERFORATION STATUS  |
|----------------------------|----------|-------------|-----------|--------------|-------------------------|-------|----------|---|
| (A) McCracken              | 8,496    | 8,609       |           |              |                         | 0.38" | 236      | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| (B) Mississippian          | 7,964    | 8,212       |           |              |                         | 0.38" | 440      | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| (C) per DKN                |          |             |           |              |                         |       |          | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| (D) Prod out of MCRKN only |          |             |           |              |                         |       |          | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL   |
|----------------|---|
| 7964-8212      | Squeezed off Mississippian Redwall (Leadville) perforations with 75 sx Class G cement @ 2000psi |
|                |   |

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☒ OTHER: WBD & Daily Rpt

30. WELL STATUS:

Producing

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

|                                   |                    |                         |                      |                     |                      |                              |                  |                  |                   |                              |
|-----------------------------------|--------------------|-------------------------|----------------------|---------------------|----------------------|------------------------------|------------------|------------------|-------------------|------------------------------|
| DATE FIRST PRODUCED:<br>2/10/2011 |                    | TEST DATE:<br>2/15/2011 |                      | HOURS TESTED:<br>24 |                      | TEST PRODUCTION<br>RATES: →  | OIL - BBL<br>354 | GAS - MCF<br>166 | WATER - BBL<br>0  | PROD. METHOD:<br>Gas Lift    |
| CHOKE SIZE:<br>64/64              | TBG. PRESS.<br>125 | CSG. PRESS.<br>850      | API GRAVITY<br>44.00 | BTU - GAS           | GAS/OIL RATIO<br>597 | 24 HR PRODUCTION<br>RATES: → | OIL - BBL<br>335 | GAS - MCF<br>200 | WATER - BBL<br>10 | INTERVAL STATUS<br>Producing |

## INTERVAL B (As shown in item #26)

|                      |             |             |             |               |               |                              |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|------------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION<br>RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

## INTERVAL C (As shown in item #26)

|                      |             |             |             |               |               |                              |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|------------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION<br>RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

## INTERVAL D (As shown in item #26)

|                      |             |             |             |               |               |                              |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|------------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION<br>RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION<br>RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

## 32. DISPOSITION OF GAS (Solid, Used for Fuel, Vented, Etc.)

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

| Formation | Top<br>(MD) | Bottom<br>(MD) | Descriptions, Contents, etc.              | Name | Top<br>(Measured Depth) |
|-----------|-------------|----------------|---|------|-------------------------|
| La Sal    | 3,404       | 3,536          | Limestone, water wet, no tests            |      |                         |
| Ismay     | 4,112       | 4,278          | Anhydrite, shale, minor oil show          |      |                         |
| Redwall   | 7,839       | 8,234          | Limestone and porous dolomite, produ      |      |                         |
| McCracken | 8,496       | 8,609          | Sandstone w/ minor dolomite and shale     |      |                         |
| Lynch     | 8,688       | 9,031          | Dolomite w/ low porosity contains oil (ti |      |                         |

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Danielle GavitoTITLE Permit Agent for Patara Oil & GasSIGNATURE Danielle GavitoDATE 7/7/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AP#        | 871          | Report Date | 11-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$15,700     | Cum Cost    | \$15,700     |

## **Status at Report Time**

Ready to rig up.

## **24-Hour Activity Detail**

Cleaned snow from location and road. Spread gravel on hills to location. Road rig and equipment to location. Spotted rig and equipment.

## **Cost Breakdown**

| Expenditure        | Daily Cost      | Cum Cost        | Downhole Summary |             |            |
|--------------------|-----------------|-----------------|------------------|-------------|------------|
| Location           | 6,500           | 6,500           | TD               |             |            |
| Completion Unit    | 3,500           | 3,500           | PBTD             |             |            |
| Snubbing Services  |                 | 0               | Perforations     |             |            |
| Bits               |                 | 0               |                  |             |            |
| Rental             |                 | 0               |                  |             |            |
| Water              |                 | 0               |                  |             |            |
| Cement             |                 | 0               |                  |             |            |
| Cased Hole Logging |                 | 0               |                  |             |            |
| Perforating        |                 | 0               |                  |             |            |
| Stimulation        |                 | 0               |                  |             |            |
| Contract Labor     | 1,200           | 1,200           | Tubing Detail    |             |            |
| N2, Air Services   |                 | 0               | Item             | Length (ft) | Depth (ft) |
| Slickline          |                 | 0               | KB               |             |            |
| Coil Tbg Services  |                 | 0               |                  |             |            |
| Flowback Services  |                 | 0               |                  |             |            |
| Supervision        |                 | 0               |                  |             |            |
| Transportation     | 4,500           | 4,500           |                  |             |            |
| Miscellaneous      |                 | 0               |                  |             |            |
| Tubing             |                 | 0               | End of Tbg       |             |            |
| Rods               |                 | 0               |                  |             |            |
| Wellhead           |                 | 0               | Packer Depth     |             |            |
| Previous costs     |                 | 0               |                  |             |            |
| Contingency        |                 | 0               | End of Tailpipe  |             |            |
| <b>Total</b>       | <b>\$15,700</b> | <b>\$15,700</b> |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| ARE #      | 871          | Report Date | 12-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type/Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$14,000     | Cum Cost    | \$29,700     |

Status at Report Time:

Lay down tbg.

## **24 Hour Activity Detail**

RU Total Safety wind socks and equipment. 150 psi tbg pressure. Well to sales. Hooked up pump. Pressure tested casing to 1000 psi. Test ok. Blew down separator and flowline. Hooked up pump to tbg. Pumped 80 bbls water down tbg and caught pressure. Pumped an additional 20 bbls @ 1 bpm and 600 psi. RU Phoenix WL. RIH w/2.867 gauge ring for 3-1/2 tbg. Found fluid level @ 1700'. Tagged top of packer @ 7821'. POH. RIH w/2.347 gauge ring to locate 2-7/8 nipple. FL @ 2500'. Tagged @ 7824'. Jarred down several times and fell through. RIH and tagged PBTD @ 8427'. No nipple in packer. POH. RD Phoenix. RU MWS Rig #5. ND and blind flanged flowline. Pumped 35 bbls water down tbg and caught pressure. ND WH. NU BOP. Picked up on tbg to 80,000#. Released packer. Laid down hanger. Installed stripper rubber. POH and laid down 120 jts 3-1/2 tbg. Secured well. SD for night.

## **Cost Breakdown**

| Expenditure              | Daily Cost      | Cum Cost        | Downhole Summary |             |            |
|--------------------------|-----------------|-----------------|------------------|-------------|------------|
| Location                 |                 | 6,500           | TD               |             |            |
| Completion Unit          | 5,600           | 9,100           | PBTD             |             |            |
| Snubbing Services        |                 | 0               | Perforations     |             |            |
| Bits                     |                 | 0               |                  |             |            |
| Rental                   | 2,500           | 2,500           |                  |             |            |
| Water                    | 2,500           | 2,500           |                  |             |            |
| Cement                   |                 | 0               |                  |             |            |
| Cased Hole Logging       |                 | 0               |                  |             |            |
| Perforating              |                 | 0               |                  |             |            |
| Stimulator               |                 | 0               |                  |             |            |
| Contract Labor           | 2,400           | 3,600           | Tubing Detail    |             |            |
| N2, Air Services         |                 | 0               | Item             | Length (ft) | Depth (ft) |
| Slickline                |                 | 0               | KB               |             |            |
| Coil Tbg Services        |                 | 0               |                  |             |            |
| Flowback Services        |                 | 0               |                  |             |            |
| Supervision              | 1,000           | 1,000           |                  |             |            |
| Transportation           |                 | 4,500           |                  |             |            |
| Miscellaneous            |                 | 0               |                  |             |            |
| Tubing                   |                 | 0               | End of Tbg       |             |            |
| Rods                     |                 | 0               |                  |             |            |
| Wellhead                 |                 | 0               | Packer Depth     |             |            |
| Tank Battery & Separator |                 | 0               |                  |             |            |
| Contingency              |                 | 0               | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$14,000</b> | <b>\$29,700</b> |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| WPE #      | 871          | Report Date | 13-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type/Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$11,000     | Cum Cost    | \$40,700     |

## **Status at Report Time:**

Wait on 2-3/8 tbg.

## **24 Hour Activity Detail:**

0 psi on well. Filled hole w/60 bbls produced water. POH and laid down remaining 133 jts 3-1/2 tbg and packer. Top packer rubber missing. Secured well. Hauled 3-1/2 tbg to Lisbon Pipe Yard. SD waiting on 2-3/8 tbg to be delivered in AM.

## **Cost Breakdown:**

| Expenditure              | Daily Cost      | Cum Cost        | Downhole Summary |             |            |
|--------------------------|-----------------|-----------------|------------------|-------------|------------|
| Location                 |                 | 6,500           | TD               |             |            |
| Completion Unit          | 4,000           | 13,100          | PBTD             |             |            |
| Snubbing Services        |                 | 0               | Perforations     |             |            |
| Bits                     |                 | 0               |                  |             |            |
| Rental                   | 2,500           | 5,000           |                  |             |            |
| Water                    |                 | 2,500           |                  |             |            |
| Cement                   |                 | 0               |                  |             |            |
| Cased Hole Logging       |                 | 0               |                  |             |            |
| Perforating              |                 | 0               |                  |             |            |
| Stimulation              |                 | 0               |                  |             |            |
| Contract Labor           | 3,500           | 7,100           | Tubing Detail    |             |            |
| N2, Air Services         |                 | 0               | Item             | Length (ft) | Depth (ft) |
| Slickline                |                 | 0               | KB               |             |            |
| Coil Tbg Services        |                 | 0               |                  |             |            |
| Flowback Services        |                 | 0               |                  |             |            |
| Supervision              | 1,000           | 2,000           |                  |             |            |
| Transportation           |                 | 4,500           |                  |             |            |
| Miscellaneous            |                 | 0               |                  |             |            |
| Tubing                   |                 | 0               | End of Tbg       |             |            |
| Rods                     |                 | 0               |                  |             |            |
| Wellhead                 |                 | 0               | Packer Depth     |             |            |
| Tank Battery & Separator |                 | 0               |                  |             |            |
| Contingency              |                 | 0               | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$11,000</b> | <b>\$40,700</b> |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| APR #      | 871          | Report Date | 14-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$56,400     | Cum Cost    | \$97,100     |

## **Status at Report Time:**

Ready to squeeze Leadville.

## **24 Hour Activity Detail**

Wait on tbg 4 hrs. Unloaded and racked 274 jts 2-3/8 EUE L-80 tbg. 0 psi on well. Made up CICR. Tallied, picked up and RIH w/242 jts tbg. Set retainer @ 7897'. Filled hole and tested retainer to 1000 psi. Test ok. Secured well. SD for weekend. Will squeeze on Monday, 1/17/11.

## **Cost Breakdown:**

| Expenditure              | Daily Cost      | Cum Cost        | Downhole Summary |             |            |
|--------------------------|-----------------|-----------------|------------------|-------------|------------|
| Location                 |                 | 6,500           | TD               |             |            |
| Completion Unit          | 5,200           | 18,300          | PBTD             |             |            |
| Snubbing Services        |                 | 0               | Perforations     |             |            |
| Bits                     |                 | 0               |                  |             |            |
| Rental                   |                 | 5,000           |                  |             |            |
| Water                    |                 | 2,500           |                  |             |            |
| Cement                   |                 | 0               |                  |             |            |
| Cased Hole Logging       |                 | 0               |                  |             |            |
| Perforating              |                 | 0               |                  |             |            |
| Stimulaton               |                 | 0               |                  |             |            |
| Contract Labor           | 3,200           | 10,300          | Tubing Detail    |             |            |
| N2, Air Services         |                 | 0               | Item             | Length (ft) | Depth (ft) |
| Slickline                |                 | 0               | KB               |             |            |
| Coil Tbg Services        |                 | 0               |                  |             |            |
| Flowback Services        |                 | 0               |                  |             |            |
| Supervision              | 1,000           | 3,000           |                  |             |            |
| Transportation           | 5,500           | 10,000          |                  |             |            |
| Miscellaneous            |                 | 0               |                  |             |            |
| Tubing                   | 41,500          | 41,500          | End of Tbg       |             |            |
| Rods                     |                 | 0               |                  |             |            |
| Wellhead                 |                 | 0               | Packer Depth     |             |            |
| Tank Battery & Separator |                 | 0               |                  |             |            |
| Contingency              |                 | 0               | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$56,400</b> | <b>\$97,100</b> |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AFE #      | 871          | Report Date | 18-Jan-11    |
| Well Name  | Lisbon B-810 | SuperV/Sol  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$29,250     | Cum Cost    | \$126,350    |

Status at Report Time:

WOC

## **24 Hour Activity Detail**

Stung out of retainer. Circulate hole 1 full circulation w/fresh water. Installed new rubber in stripper head. Stung in to retainer. Established injection rate of 1 bpm and 1000 psi. w/rig pump. Wait 2 hrs on BJ. RU BJ. Safety meeting. Tested lines to 3000 psi. Pressured casing to 500 psi for monitoring purposes. Established injection rate into perfs @ 1 BPM and 1400 psi. Mixed and pumped 75 sx (15 bbls) Class G cmt @ 1 bpm and 1200 psi. Displaced cmt to retainer w/15 bbls fw @ 1.8 bpm and 1250 psi. Pumped an additional 2.5 bbls displacement and pressure increased to 2000 psi. Hesitation squeezed cement into perfs working for 1 hr. and working pressure to 2000 psi each time. Had very slight leak off the last 5 times. stung out of retainer w/1800 psi on tbq. Laid down 3 jts tbq. Reversed tbq clean. Recovered 5 bbls thick cement to rig pit. 5 bbls cmt recovered, 2 bbls left on retainer, 7 bbls cmt in casing and 1 bbl cmt in formation. RD BJ. POH w/70 stands tbq. Will POH, run bit and drill on cmt in AM.

## **Cost Breakdown:**

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 6,000      | 24,300    | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 0         |                  |             |            |
| Rental                   |            | 5,000     |                  |             |            |
| Water                    | 2,500      | 5,000     |                  |             |            |
| Cement                   | 17,250     | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         | Tubing Detail    |             |            |
| Contract Labor           | 2,500      | 12,800    | Item             | Length (ft) | Depth (ft) |
| N2, Air Services         |            | 0         |                  |             |            |
| Slickline                |            | 0         |                  |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              | 1,000      | 4,000     |                  |             |            |
| Transportation           |            | 10,000    |                  |             |            |
| Miscellaneous            |            | 0         |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator |            | 0         |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$29,250   | \$126,350 |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| WFE #      | 871          | Report Date | 19-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$7,800      | Cum Cost    | \$134,150    |

Status at Report Time:

Drill cement.

## **24 Hour Activity Detail:**

POH w/remaining tbg and stinger. LD stinger. Made up bit and bit sub. RIH w/tbg. Tagged cmt @ 7800'. Established circulation. Drilled hard cement to retainer @ 7897'. Drilled retainer and hard cement to 8024'. Circulated hole clean. Laid down 6 jts tbg. SD for night. Will drill remaining cement and test squeeze in AM.

Note: Cement drilling @ 30-40 minutes per joint. Retainer drilled hard and had plugging problems w/returns from retainer.

## **Cost Breakdown:**

|                          |            |           |                  |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 5,600      | 29,900    | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 0         |                  |             |            |
| Rental                   | 1,200      | 6,200     |                  |             |            |
| Water                    |            | 5,000     |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulaton               |            | 0         | Tubing Detail    |             |            |
| Contract Labor           |            | 12,800    | Item             | Length (ft) | Depth (ft) |
| N2, Air Services         |            | 0         | KB               |             |            |
| Slickline                |            | 0         |                  |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              | 1,000      | 5,000     |                  |             |            |
| Transportation           |            | 10,000    |                  |             |            |
| Miscellaneous            |            | 0         |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator |            | 0         |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$7,800    | \$134,150 |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AP#        | 871          | Report Date | 20-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$8,000      | Cum Cost    | \$142,150    |

## **Status at Report Time:**

Test for inflow.

## **24 Hour Activity Detail:**

Picked up 7 jts tbg. Tagged cmt @ 8024'. Established circulation. Drilled hard cement to 8155' and fell through. Bottom of middle set of perfs @ 8154'. Lower set of perfs did not take cement. Circulated hole clean. Pressured casing to 1000 psi and isolated well head. Pressure decreased to 900 psi in 20 min. Bled well off. POH w/tbg and bit. One cone missing from bit. SD for night. Will RIH w/packer and test for gas inflow in AM.

## **Cost Breakdown:**

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 5,200      | 35,100    | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 0         |                  |             |            |
| Rental                   | 1,200      | 7,400     |                  |             |            |
| Water                    |            | 5,000     |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         |                  |             |            |
| Contract Labor           | 600        | 13,400    | Tubing Detail    |             |            |
| N2, Air Services         |            | 0         | Item             | Length (ft) | Depth (ft) |
| Slickline                |            | 0         | KB               |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              | 1,000      | 6,000     |                  |             |            |
| Transportation           |            | 10,000    |                  |             |            |
| Miscellaneous            |            | 0         |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator |            | 0         |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$8,000    | \$142,150 |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |          |             |              |    |
|------------|--------------|----------|-------------|--------------|----|
| Well Name  | 871          |          | Report Date | 21-Jan-11    |    |
| Type/Work  | Lisbon B-810 |          | Supervisor  | Rex Thompson |    |
| County     | Workover     |          |             |              |    |
| Section    | San Juan     | State    | Utah        |              |    |
|            | 10           | Township | 30S         | Range        | 24 |
| Daily Cost | \$31,516     | Cum Cost | \$173,666   |              |    |

## **Status at Report Time:**

Drill CIBP

## **24 Hour Activity Detail**

Made up packer, 1 jt tbg and 1.87F nipple. RIH w/tbg and set packer @ 8158'. Pressured casing to 1000 psi for 10 min. Test ok. Pressured tbg to 1000 psi. Pressure decreased to 940 psi in 5 min. Bled tbg off. RU to swab. Made 8 swab runs. Recovered 29 bbls. Tbg capacity = 31.5 bbls. Pulled last 2 runs from F nipple. Closed tbg in for 45 min. Opened tbg. Tbg on vacuum. RIH w/swab. Dry. Monitored returns w/H2S monitor each run. No sign of gas or H2S. RD swab equipment. Released packer. POH w/tbg and packer. SDFN. Will attempt to fish bit cones w/magnet and drill CIBP in AM. Spoke w/Eric Jones, Utah BLM about intentions to proceed w/Gas Lift installation. he agreed.

Facility Construction: Hot tap fitting is welded on, will tap tomorrow. Tie in spools for injection box. Jonesy valve box completed. Tie in spool for location is ready to cut in, working on cleaning liquids out. Control valve/ plant meter fabrication 75% complete. Ran 4" pig thru to spiller canyon valve box today. Going to send pig from D 810 back to spiller canyon box tomorrow.

Had crusher fines for tank containment construction delivered today. Have room with rig on to build. Started breaking tanks down to be moved from 15 24

4" pipe and meter runs were delivered from Lone Cone lay down yard.

## **Cost Breakdown**

| Expenditure              | Daily Cost      | Cum Cost         | Downhole Summary |             |            |
|--------------------------|-----------------|------------------|------------------|-------------|------------|
| Location                 |                 | 6,500            | TD               |             |            |
| Completion Unit          | 5,400           | 40,500           | PBDT             |             |            |
| Snubbing Services        |                 | 0                | Perforations     |             |            |
| Bits                     | 1,000           | 1,000            |                  |             |            |
| Rental                   | 2,500           | 9,900            |                  |             |            |
| Water                    |                 | 5,000            |                  |             |            |
| Cement                   |                 | 17,250           |                  |             |            |
| Cased Hole Logging       |                 | 0                |                  |             |            |
| Perforating              |                 | 0                |                  |             |            |
| Stimulation              |                 | 0                | Tubing Detail    |             |            |
| Contract Labor           | 1,200           | 14,600           | Item             | Length (ft) | Depth (ft) |
| N2, Air Services         |                 | 0                | KB               |             |            |
| Slickline                |                 | 0                |                  |             |            |
| Coil Tbg Services        |                 | 0                |                  |             |            |
| Flowback Services        |                 | 0                |                  |             |            |
| Supervision              | 1,000           | 7,000            |                  |             |            |
| Transportation           |                 | 10,000           |                  |             |            |
| Miscellaneous            | 6,500           | 6,500            |                  |             |            |
| Tubing                   |                 | 41,500           | End of Tbg       |             |            |
| Rods                     |                 | 0                |                  |             |            |
| Wellhead                 |                 | 0                | Packer Depth     |             |            |
| Tank Battery & Separator | 13,916          | 13,916           |                  |             |            |
| Contingency              |                 | 0                | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$31,516</b> | <b>\$173,666</b> |                  |             |            |

it of line.  
, vented into flat blow tank.  
ontainment. Start tomorrow.



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|           |              |             |              |
|-----------|--------------|-------------|--------------|
| APC#      | 871          | Report Date | 22-Jan-11    |
| Well Name | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work | Workover     |             |              |
| County    | San Juan     | State       | Utah         |
| Section   | 10           | Township    | 30S          |
|           |              | Range       | 24           |
| Daily Cos | \$26,050     | Cum Cos     | \$199,716    |

Status at Report Time:

Ready to run packer

## **24 Hour Activity Detail**

RIH w/magnet on sand line. Tagged @ 8545'. POH. Recovered a few very small pieces of metal. Made up bit and bit sub. RIH. Tagged CIBP @ 8545'. Circulated hole w/210 bbls 6% KCL. Picked up power swivel. Established circulation and drilled plug @ 8545'. 2 hrs to drill plug. Pushed remnants of plug to 8633' and tagged solid. (Bottom perf is @ 8609'). POH and laid down 10 jts tbg. Secured well. SD for night. Will run packer and mandrels in AM

## **Facility Construction**

Pigged 4" from D 810 to Steen canyon valve box.  
 Fabrication for control valve/meter run 90% complete.  
 Tank containment ready to set 1st tank Monday

## **Cost Breakdown**

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |  |  |
|--------------------------|------------|-----------|------------------|--|--|
| Location                 |            | 6,500     | TD               |  |  |
| Completion Unit          | 5,800      | 46,300    | PBTD             |  |  |
| Snubbing Services        |            | 0         | Perforations     |  |  |
| Bits                     | 1,000      | 2,000     |                  |  |  |
| Rental                   | 3,500      | 13,400    |                  |  |  |
| Water                    | 2,500      | 7,500     |                  |  |  |
| Cement                   |            | 17,250    |                  |  |  |
| Cased Hole Logging       |            | 0         |                  |  |  |
| Perforating              |            | 0         |                  |  |  |
| Stimulation              |            | 0         |                  |  |  |
| Contract Labor           | 1,500      | 16,100    |                  |  |  |
| N2, Air Services         |            | 0         |                  |  |  |
| Slickline                |            | 0         |                  |  |  |
| Coil Tbg Services        |            | 0         |                  |  |  |
| Flowback Services        |            | 0         |                  |  |  |
| Supervision              | 1,000      | 8,000     |                  |  |  |
| Transportation           |            | 10,000    |                  |  |  |
| Miscellaneous            |            | 6,500     |                  |  |  |
| Tubing                   |            | 41,500    |                  |  |  |
| Rods                     |            | 0         |                  |  |  |
| Wellhead                 |            | 0         |                  |  |  |
| Tank Battery & Separator | 10,750     | 24,666    |                  |  |  |
| Contingency              |            | 0         |                  |  |  |
| Total                    | \$26,050   | \$199,716 |                  |  |  |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AP#        | 871          | Report Date | 23-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$20,500     | Cum Cost    | \$220,216    |

### Status at Report Time

Waiting on facilities.

### 24 Hour Activity Detail

30 psi SICP. Blew gas off of casing. Checked for H2S. Sweet gas. POH w/remaining tbg. Laid down bit and bit sub. Made up 1.81F nipple w/collar on bottom, 4' tbg sub, 1.87F nipple, 6' tbg sub and packer. Run tbg w/gas lift mandrels per Superiors design. Installed 2-3/8 x 3-1/2 x over and hanger. Landed tbg on hanger. ND BOP. NU WH.

Total tbg in hole = 258 jts. 16 jts returned to Lisbon Yard.  
Hanger and wellhead are 3-1/2.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary      |             |            |
|--------------------------|------------|-----------|-----------------------|-------------|------------|
| Location                 |            | 6,500     | TD                    |             |            |
| Completion Unit          | 5,600      | 51,900    | PBTD                  |             |            |
| Snubbing Services        |            | 0         | Perforations          |             |            |
| Bits                     |            | 2,000     |                       |             |            |
| Rental                   | 1,400      | 14,800    | Tubing Detail         | Length (ft) | Depth (ft) |
| Water                    |            | 7,500     | KB                    | 20          | 20         |
| Cement                   |            | 17,250    | 2-3/8 x 3-1/2 x-over  | .64         | 20.64      |
| Cased Hole Logging       |            | 0         | 55 jts 2-3/8 L-80 tbg | 1798.25     | 1818.89    |
| Perforating              |            | 0         | Mandrel               | 4.10        | 1822.99    |
| Stimulation              |            | 0         | 55 jts 2-3/8 L-80 tbg | 1790.45     | 3613.44    |
| Contract Labor           |            | 16,100    | Mandrel               | 4.10        | 3617.54    |
| N2, Air Services         |            | 0         | 52 jts 2-3/8 L-80 tbg | 1,692.60    | 5,310.14   |
| Slickline                |            | 0         | Mandrel               | 4.10        | 5,314.24   |
| Coil Tbg Services        |            | 0         | 50 jts 2-3/8 L-80 tbg | 1,627.50    | 6,941.74   |
| Flowback Services        |            | 0         | Mandrel               | 4.10        | 6,945.84   |
| Supervision              | 1,000      | 9,000     | 45 jts 2-3/8 L-80 tbg | 1,465.55    | 8,411.39   |
| Transportation           |            | 10,000    | Mandrel               | 4.10        | 8,415.49   |
| Miscellaneous            | 12,500     | 19,000    | 1 jt tbg              | 32.48       | 8,447.97   |
| Tubing                   |            | 41,500    | Model R Packer        | 6.90        | 8,454.87   |
| Rods                     |            | 0         | tbg sub               | 6.10        | 8,460.97   |
| Wellhead                 |            | 0         | 1.87F nipple          | .92         | 8,461.89   |
| Tank Battery & Separator |            | 24,666    | tbg sub               | 4.10        | 8,465.99   |
| Contingency              |            | 0         | 1.81F nipple          | .92         | 8,466.91   |
| Total                    | \$20,500   | \$220,216 |                       |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AB#        | 871          | Report Date | 26-Jan-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost |              | Cum Cost    | \$258,836    |

### Status at Report Time

### 24 Hour Activity Detail

Facilities report: (1-26 thru 1/31) Installed tank heaters and welding on piping. Tested gas injection line and meters. Worked on GPU dumps and pressure tested. Tested all equipment to 986 psi. Tied into fuel gas into heaters. Heated up GPU and prepped well to come on line February 1st.

### Well report 2/1 -2/2

Worked on gas lift system to work out bugs. As of 5:30 p.m. on 2/2 gas lift supply was circulating through the btm valve. Had Superior Services tech on location to confirm gas lift was working properly. At 2:50 p.m. the Axelxon valve on the tree froze off and shut in the well. Up until that time had 350 mcf of gas lift supply going in at 850 psi and had 460 mcf flowing out of the well. Not making any fluid.

Initially had seen a small amount of oil with water as the tbg unloaded. Max pressure of gas lift supply was 950 psi during unloading process. Due to non response of fluid entry, plan to put rig back onto the well to reperf and swab test the McCracken.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          |            | 51,900    | PBDT             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 2,000     |                  |             |            |
| Rental                   |            | 14,800    |                  |             |            |
| Water                    |            | 7,500     |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         | Tubing Detail    |             |            |
| Contract Labor           | 18,229     | 34,329    | Item             | Length (ft) | Depth (ft) |
| N2, Air Services         |            | 0         | KB               |             |            |
| Slickline                |            | 0         |                  |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              |            | 9,000     |                  |             |            |
| Transportation           |            | 10,000    |                  |             |            |
| Miscellaneous            |            | 19,000    |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator | 20,391     | 45,057    |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$38,620   | \$258,836 |                  |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| APZ#       | 871          | Report Date | 3-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$17,300     | Cum Cost    | \$276,136    |

Status at Report Time:

RU PU

24 Hour Activity Detail:

Road rig and equipment to location.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 2,500      | 54,400    | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 2,000     |                  |             |            |
| Rental                   |            | 14,800    |                  |             |            |
| Water                    | 2,500      | 10,000    |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         |                  |             |            |
| Contract Labor           | 800        | 35,129    | Tubing Detail    |             |            |
| N2, Air Services         |            | 0         | Item             | Length (ft) | Depth (ft) |
| Slickline                |            | 0         | KB               |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              |            | 9,000     |                  |             |            |
| Transportation           | 4,500      | 14,500    |                  |             |            |
| Miscellaneous            |            | 19,000    |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator | 7,000      | 52,057    |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$17,300   | \$276,136 |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AP#        | 871          | Report Date | 4-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$7,400      | Cum Cost    | \$283,536    |

## **Status at Report Time:**

Fish packer.

## **24 Hour Activity Detail**

RUPU. Hooked up equipment. Blew well down. Checked for H2S. None. ND WH. NU BOP. Picked up on tbg. Released packer and pulled and laid down hanger. POH w/1 stand. Pulled next stand and packer stuck. Worked on packer for 3 hrs. Could not get loose. Tbg will turn but can't go up or down. Picked tongs up w/winch and broke out top joint of stand. Have approx 1/2 joint above slips. Pumped kcl down tbg and casing. Packer still stuck. Called out wireline to cut tbg and fishing tools for AM. Secured well. SD for night.

## **Cost Breakdown**

| Expenditure              | Daily Cost     | Cum Cost         | Downhole Summary |             |            |
|--------------------------|----------------|------------------|------------------|-------------|------------|
| Location                 |                | 6,500            | TD               |             |            |
| Completion Unit          | 5,200          | 59,600           | PBTB             |             |            |
| Snubbing Services        |                | 0                | Perforations     |             |            |
| Bits                     |                | 2,000            |                  |             |            |
| Rental                   |                | 14,800           |                  |             |            |
| Water                    |                | 10,000           |                  |             |            |
| Cement                   |                | 17,250           |                  |             |            |
| Cased Hole Logging       |                | 0                |                  |             |            |
| Perforating              |                | 0                |                  |             |            |
| Stimulation              |                | 0                |                  |             |            |
| Contract Labor           | 1,200          | 36,329           | Tubing Detail    |             |            |
| N2, Air Services         |                | 0                | Item             | Length (ft) | Depth (ft) |
| Slickline                |                | 0                | KB               |             |            |
| Coil Tbg Services        |                | 0                |                  |             |            |
| Flowback Services        |                | 0                |                  |             |            |
| Supervision              | 1,000          | 10,000           |                  |             |            |
| Transportation           |                | 14,500           |                  |             |            |
| Miscellaneous            |                | 19,000           |                  |             |            |
| Tubing                   |                | 41,500           | End of Tbg       |             |            |
| Rods                     |                | 0                |                  |             |            |
| Wellhead                 |                | 0                | Packer Depth     |             |            |
| Tank Battery & Separator |                | 52,057           |                  |             |            |
| Contingency              |                | 0                | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$7,400</b> | <b>\$283,536</b> |                  |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AP#        | 871          | Report Date | 5-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$12,000     | Cum Cost    | \$295,536    |

### Status at Report Time:

Wash over packer.

### 24 Hour Activity Detail:

200 psi SITP. Blew tbg down. RU WL Specialties. RIH w/chemical cutter. Noted fluid level at 5500'. Located packer @ 8324' wireline measurement. Cut tbg @ 8319'. POH w/cutter. RD WL Specialties. POH w/tbg and gas lift mandrels. Made up wash-over shoe, 9' wash pipe, bumper sub and jars. RIH to 7800'. Road N2 unit to location and spot in. SD for night. Will wash over packer in AM.

### Cost Breakdown:

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |  |  |
|--------------------------|------------|-----------|------------------|--|--|
| Location                 |            | 6,500     | TD               |  |  |
| Completion Unit          | 5,400      | 65,000    | PBSD             |  |  |
| Snubbing Services        |            | 0         | Perforations     |  |  |
| Bits                     |            | 2,000     |                  |  |  |
| Rental                   |            | 14,800    |                  |  |  |
| Water                    | 1,000      | 11,000    |                  |  |  |
| Cement                   |            | 17,250    |                  |  |  |
| Cased Hole Logging       |            | 0         |                  |  |  |
| Perforating              |            | 0         |                  |  |  |
| Stimulation              |            | 0         |                  |  |  |
| Contract Labor           | 1,600      | 37,929    |                  |  |  |
| N2, Air Services         |            | 0         |                  |  |  |
| Slickline                |            | 0         |                  |  |  |
| Coil Tbg Services        |            | 0         |                  |  |  |
| Flowback Services        |            | 0         |                  |  |  |
| Supervision              | 1,000      | 11,000    |                  |  |  |
| Transportation           | 3,000      | 17,500    |                  |  |  |
| Miscellaneous            |            | 19,000    |                  |  |  |
| Tubing                   |            | 41,500    |                  |  |  |
| Rods                     |            | 0         |                  |  |  |
| Wellhead                 |            | 0         |                  |  |  |
| Tank Battery & Separator |            | 52,057    |                  |  |  |
| Contingency              |            | 0         |                  |  |  |
| Total                    | \$12,000   | \$295,536 |                  |  |  |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AFE #      | 871          | Report Date | 6-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$8,600      | Cum Cost    | \$304,136    |

### Status at Report Time

Fish packer.

### 24 Hour Activity Detail

35 psi slTP. Blew tbg down. RIH w/tbg and tagged packer @ 8316'. Picked up power swivel. RU N2 unit. Unloaded hole. Took 3-1/2 hrs to get returns. Unloaded 100% oil for approx. 30 min. changing to oil water mix and N2 and gas. Milled on packer for 2-1/2 hrs. Made approx 1-1/2' of hole. Had friction bite on fish but kept pulling off. POH w/50 stands tbg. SD for night. Will run overshot and tools in AM.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 5,600      | 70,600    | PBTB             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 2,000     |                  |             |            |
| Rental                   |            | 14,800    |                  |             |            |
| Water                    | 1,000      | 12,000    |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         |                  |             |            |
| Contract Labor           | 1,000      | 38,929    | Tubing Detail    |             |            |
| N2, Air Services         |            | 0         | Item             | Length (ft) | Depth (ft) |
| Slickline                |            | 0         | KB               |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              | 1,000      | 12,000    |                  |             |            |
| Transportation           |            | 17,500    |                  |             |            |
| Miscellaneous            |            | 19,000    |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator |            | 52,057    |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$8,600    | \$304,136 |                  |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| API #      | 871          | Report Date | 7-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$8,200      | Cum Cost    | \$312,336    |

### Status at Report Time

Run bit and scraper.

### 24 Hour Activity Detail

160 psi SITP and SICP. Blew well down. POH w/remaining tbg and washover tools. RIH w/overshot. Latched fish. Worked for 2 hrs. Could not get fish free. Center mandrel on packer is now either in the J lock position or stuck in packer body. Will now not turn. Worked for 1 hr and was able to get free from fish. POH w/tbg and overshot. SD for night. Will run bit and scraper in AM.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          | 5,600      | 76,200    | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 2,000     |                  |             |            |
| Rental                   |            | 14,800    |                  |             |            |
| Water                    |            | 12,000    |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulaton               |            | 0         |                  |             |            |
| Contract Labor           | 1,600      | 40,529    | Tubing Detail    |             |            |
| N2, Air Services         |            | 0         | Item             | Length (ft) | Depth (ft) |
| Slickline                |            | 0         | KB               |             |            |
| Coil Tbg Services        |            | 0         |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              | 1,000      | 13,000    |                  |             |            |
| Transportation           |            | 17,500    |                  |             |            |
| Miscellaneous            |            | 19,000    |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator |            | 52,057    |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$8,200    | \$312,336 |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| AFF #      | 871          | Report Date | 8-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$10,900     | Cum Cost    | \$323,236    |

## **Status at Report Time:**

Ready to swab test.

## **24-Hour Activity Detail**

100 psi SICP. Made up bit and scraper. RIH to top of fish. POH w/10 stands tbg. Pumped 50 bbls 6% kcl to flush debris to bottom. POH w/tbg and scraper. Made up 4' perforated sub w/bull plug, packer, 1jt tbg and F nipple. RIH and set packer @ 8263'. Secured well. SD for night. Will heat flowback tank and swab test in AM.

## **Cost Breakdown**

| Expenditure              | Daily Cost      | Cum Cost         | Downhole Summary |             |            |
|--------------------------|-----------------|------------------|------------------|-------------|------------|
| Location                 |                 | 6,500            | TD               |             |            |
| Completion Unit          | 5,200           | 81,400           | PBTD             |             |            |
| Snubbing Services        |                 | 0                | Perforations     |             |            |
| Bits                     |                 | 2,000            |                  |             |            |
| Rental                   | 2,500           | 17,300           |                  |             |            |
| Water                    |                 | 12,000           |                  |             |            |
| Cement                   |                 | 17,250           |                  |             |            |
| Cased Hole Logging       |                 | 0                |                  |             |            |
| Perforating              |                 | 0                |                  |             |            |
| Stimulation              |                 | 0                |                  |             |            |
| Contract Labor           | 2,200           | 42,729           | Tubing Detail    |             |            |
| N2, Air Services         |                 | 0                | Item             | Length (ft) | Depth (ft) |
| Slickline                |                 | 0                |                  |             |            |
| Coil Tbg Services        |                 | 0                |                  |             |            |
| Flowback Services        |                 | 0                |                  |             |            |
| Supervision              | 1,000           | 14,000           |                  |             |            |
| Transportation           |                 | 17,500           |                  |             |            |
| Miscellaneous            |                 | 19,000           |                  |             |            |
| Tubing                   |                 | 41,500           | End of Tbg       |             |            |
| Rods                     |                 | 0                |                  |             |            |
| Wellhead                 |                 | 0                | Packer Depth     |             |            |
| Tank Battery & Separator |                 | 52,057           |                  |             |            |
| Contingency              |                 | 0                | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$10,900</b> | <b>\$323,236</b> |                  |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|            |              |             |              |
|------------|--------------|-------------|--------------|
| APR #      | 871          | Report Date | 9-Feb-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$12,150     | Cum Cost    | \$335,386    |

### Status at Report Time

Swab.

### 24 Hour Activity Detail

0 psi SITP. RU Hot Oilier. Heated flowback tank. Color cut tank. Approx 30 bbls oil in tank. RD Hot Oilier. RU to swab. RIH w/swab. Tag fluid @ 5000'. No recovery. RIH w/2 cups on mandrel. Tag @ 5000'. Pulled from 6700'. Recovered approx 4 bbls oil. RIH w/run #3. Tag 5000'. Pulled from 6700'. No recovery. 3/4 of the swab cup left in hole. RIH w/run #4. Couldn't get past 4800'. Swab stuck. Worked free. POH w/swab. RD swab equipment. Released packer. POH w/tbg and packer. Found swab cup rubber, approx 1 cup or more of dirt, a few small pieces of scale and 1 small sliver of metal in bottom of perforated sub. Made up perforated sub, packer, 1 jt tbg and 1.81F nipple. RIH w/tbg stopping to run swab in hole every 1800'+/-. RIH to 5600'. Secured well. SD for night. Will attempt to swab in AM.

### Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |  |  |
|--------------------------|------------|-----------|------------------|--|--|
| Location                 |            | 6,500     | TD               |  |  |
| Completion Unit          | 5,600      | 87,000    | PBDT             |  |  |
| Snubbing Services        |            | 0         | Perforations     |  |  |
| Bits                     |            | 2,000     |                  |  |  |
| Rental                   | 2,500      | 19,800    |                  |  |  |
| Water                    |            | 12,000    |                  |  |  |
| Cement                   |            | 17,250    |                  |  |  |
| Cased Hole Logging       |            | 0         |                  |  |  |
| Perforating              |            | 0         |                  |  |  |
| Stimulation              |            | 0         |                  |  |  |
| Contract Labor           | 1,800      | 44,529    |                  |  |  |
| N2, Air Services         |            | 0         |                  |  |  |
| Slickline                |            | 0         |                  |  |  |
| Coil Tbg Services        |            | 0         |                  |  |  |
| Flowback Services        |            | 0         |                  |  |  |
| Supervision              | 1,000      | 15,000    |                  |  |  |
| Transportation           |            | 17,500    |                  |  |  |
| Miscellaneous            | 1,250      | 20,250    |                  |  |  |
| Tubing                   |            | 41,500    |                  |  |  |
| Rods                     |            | 0         |                  |  |  |
| Wellhead                 |            | 0         |                  |  |  |
| Tank Battery & Separator |            | 52,057    |                  |  |  |
| Contingency              |            | 0         |                  |  |  |
| Total                    | \$12,150   | \$335,386 |                  |  |  |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| API #      | 871          | Report Date | 10-Feb-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$12,200     | Cum Cost    | \$347,586    |

## **Status at Report Time**

Swab test.

## **24-Hour Activity Detail**

0 psi SIP. Continue in hole drifting tbg w/swab. No obstruction found. Set packer @ 7946'. RU to swab. IFL @ 5100'. Swabbed for 7 hrs. Recovered 61 bbls total fluid. Let tank settle for 15 min. Color cut tank. 36 Bbls oil recovered today. Took wellhead samples each run. Warmed samples in dog house. Oil cut appears to be 40-60%. Water could be kcl we pumped while milling and running scraper. Oil cut seemed to increase through out the day. Oil volume from color cut could be high due to oil water emulsion. Fluid level remained between 4400' and 4600' each run. Gas increased through out the day. Last few runs fairly gas cut and would continue to blow for 3-4 minutes after each run. Secured well. SD for night. Will continue swabbing and run gauges in AM.

## **Cost Breakdown**

| Expenditure              | Daily Cost      | Cum Cost         | Downhole Summary |             |            |
|--------------------------|-----------------|------------------|------------------|-------------|------------|
| Location                 |                 | 6,500            | TD               |             |            |
| Completion Unit          | 5,600           | 92,600           | PBDT             |             |            |
| Snubbing Services        |                 | 0                | Perforations     |             |            |
| Bits                     |                 | 2,000            |                  |             |            |
| Rental                   | 4,000           | 23,800           |                  |             |            |
| Water                    |                 | 12,000           |                  |             |            |
| Cement                   |                 | 17,250           |                  |             |            |
| Cased Hole Logging       |                 | 0                |                  |             |            |
| Perforating              |                 | 0                |                  |             |            |
| Stimulation              |                 | 0                |                  |             |            |
| Contract Labor           | 1,600           | 46,129           | Tubing Detail    |             |            |
| N2, Air Services         |                 | 0                | Item             | Length (ft) | Depth (ft) |
| Slickline                |                 | 0                | KB               |             |            |
| Coil Tbg Services        |                 | 0                |                  |             |            |
| Flowback Services        |                 | 0                |                  |             |            |
| Supervision              | 1,000           | 16,000           |                  |             |            |
| Transportation           |                 | 17,500           |                  |             |            |
| Miscellaneous            |                 | 20,250           |                  |             |            |
| Tubing                   |                 | 41,500           | End of Tbg       |             |            |
| Rods                     |                 | 0                |                  |             |            |
| Wellhead                 |                 | 0                | Packer Depth     |             |            |
| Tank Battery & Separator |                 | 52,057           |                  |             |            |
| Contingency              |                 | 0                | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$12,200</b> | <b>\$347,586</b> |                  |             |            |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| APEN       | 871          | Report Date | 11-Feb-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$9,700      | Cum Cost    | \$357,286    |

Status at Report Time

BHP

## 24 Hour Activity Detail

170 psi SITP. Pulled water from bottom of flowback tank. Gauged 76 bbls oil in tank. RU Phoenix WL. RIH w/tandem gauges and set in F nipple @ 7910'. POH w/setting tool. RD Phoenix. RU to swab. IFL = 5000'. Swabbed for 3-1/2 hrs. Recovered 41 bbls total fluid. Estimated oil cut = 60%. 24 bbls oil. Lost large pieces of swab cups in hole last run. RD swab equipment. SD for weekend. Will POH w/tbg, packer and gauges Monday AM.

## Cost Breakdown

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |  |  |
|--------------------------|------------|-----------|------------------|--|--|
| Location                 |            | 6,500     | TD               |  |  |
| Completion Unit          | 5,000      | 97,600    | PBTD             |  |  |
| Snubbing Services        |            | 0         | Perforations     |  |  |
| Bits                     |            | 2,000     |                  |  |  |
| Rental                   |            | 23,800    |                  |  |  |
| Water                    | 1,200      | 13,200    |                  |  |  |
| Cement                   |            | 17,250    |                  |  |  |
| Cased Hole Logging       |            | 0         |                  |  |  |
| Perforating              |            | 0         |                  |  |  |
| Stimulaton               |            | 0         |                  |  |  |
| Contract Labor           |            | 46,129    |                  |  |  |
| N2, Air Services         |            | 0         |                  |  |  |
| Slickline                | 2,500      | 2,500     |                  |  |  |
| Coil Tbg Services        |            | 0         |                  |  |  |
| Flowback Services        |            | 0         |                  |  |  |
| Supervision              | 1,000      | 17,000    |                  |  |  |
| Transportation           |            | 17,500    |                  |  |  |
| Miscellaneous            |            | 20,250    |                  |  |  |
| Tubing                   |            | 41,500    |                  |  |  |
| Rods                     |            | 0         |                  |  |  |
| Wellhead                 |            | 0         |                  |  |  |
| Tank Battery & Separator |            | 52,057    |                  |  |  |
| Contingency              |            | 0         |                  |  |  |
| Total                    | \$9,700    | \$357,286 |                  |  |  |



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| ARE #      | 871          | Report Date | 14-Feb-11    |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$7,600      | Cum Cost    | \$364,886    |

## **Status at Report Time:**

Run Gas Lift Equipment.

## **24 Hour Activity Detail**

180 psi SITP. Transferred oil from flowback tank to stock tank. Blew tbg down. RIH w/swab. Tagged fluid @ 5000'. POH. Released packer. POH w/tbg, packer and gauges, making gradient stops each 16 stands. (Approx. 1050'.) Laid down packer, F nipples, perforated sub and gauges. Recovered approx. 1 cup dirt or formation fines and pieces of rubber from swab cups in bottom of perforated sub. Sent gauges to Phoenix in Farmington for download. SD for night. Will run packer and gas lift equipment in AM.

## **Cost Breakdown**

| Expenditure              | Daily Cost     | Cum Cost         | Downhole Summary |             |            |
|--------------------------|----------------|------------------|------------------|-------------|------------|
| Location                 |                | 6,500            | TD               |             |            |
| Completion Unit          | 5,400          | 103,000          | PBTB             |             |            |
| Snubbing Services        |                | 0                | Perforations     |             |            |
| Bits                     |                | 2,000            |                  |             |            |
| Rental                   |                | 23,800           |                  |             |            |
| Water                    |                | 13,200           |                  |             |            |
| Cement                   |                | 17,250           |                  |             |            |
| Cased Hole Logging       |                | 0                |                  |             |            |
| Perforating              |                | 0                |                  |             |            |
| Stimulation              |                | 0                |                  |             |            |
| Contract Labor           | 1,200          | 47,329           | Tubing Detail    |             |            |
| N2, Air Services         |                | 0                | Item             | Length (ft) | Depth (ft) |
| Slickline                |                | 2,500            | KB               |             |            |
| Coil Tbg Services        |                | 0                |                  |             |            |
| Flowback Services        |                | 0                |                  |             |            |
| Supervision              | 1,000          | 18,000           |                  |             |            |
| Transportation           |                | 17,500           |                  |             |            |
| Miscellaneous            |                | 20,250           |                  |             |            |
| Tubing                   |                | 41,500           | End of Tbg       |             |            |
| Rods                     |                | 0                |                  |             |            |
| Wellhead                 |                | 0                | Packer Depth     |             |            |
| Tank Battery & Separator |                | 52,057           |                  |             |            |
| Contingency              |                | 0                | End of Tailpipe  |             |            |
| <b>Total</b>             | <b>\$7,600</b> | <b>\$364,886</b> |                  |             |            |



# PATARA OIL & GAS

## Daily Completion / Workover Report

|           |              |             |              |
|-----------|--------------|-------------|--------------|
| AP#       | 871          | Report Date | 15-Feb-11    |
| Well Name | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work | Workover     |             |              |
| County    | San Juan     | State       | Utah         |
| Section   | 10           | Township    | 30S          |
|           |              | Range       | 24           |
| Daily Cos | \$33,900     | Cum Cos     | \$398,786    |

### Status at Report Time:

Ready to gas lift.

### 24-Hour Activity Detail:

0 psi SICP. Made up 4-1/16" x 2-1/2" guide shoe, 4-1/16" x 2-1/2" sub, 2-7/8 x 2-3/8 x-over, 4' perforated sub, 1.81F nipple, Arrowset packer, On/Off tool, 1.87F nipple, 1 jt tbg and #1 gas lift mandrel. RIH w/tbg and remaining mandrels per Superior's design. Worked guide shoe and sub over tbg stub. Spaced out w/1-4' and 1'-6' tbg subs. Set packer @ 8305'. Landed tbg on hanger w/3,000# on packer. ND BOP. NU WH. RD PU. Prep to move.

Note: Model R packer is stuck in the hole below the ArrowSet packer. Model R has a 4-1/2' cut off stub of 2-3/8 tbg looking up. Guide shoe and sub below ArrowSet is down over cut off stub for wireline access through Model R. Bottom of Model R tail @ 8335' +/- Hanger and tree are 3-1/2. 3-1/2 x 2-3/8 X-over below hanger.

Well testing 354 bopd and 166 mcfd. Gas lift gas 350 mcfd. Not enough retention time in GPU to break out water. Using heaters in prod tanks. Ordering a heater treater.

### Cost Breakdown:

| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary      |             |            |
|--------------------------|------------|-----------|-----------------------|-------------|------------|
| Location                 |            | 6,500     | Tubing Detail         |             |            |
| Completion Unit          | 5,400      | 108,400   | Item                  | Length (ft) | Depth (ft) |
| Snubbing Services        |            | 0         | KB                    | 20          | 20         |
| Bits                     |            | 2,000     | 2-3/8 x 3-1/2 x-over  | 1.3         | 21.3       |
| Rental                   |            | 23,800    | 1 jt tbg              | 32.58       | 53.88      |
| Water                    |            | 13,200    | tbg sub               | 6.15        | 60.03      |
| Cement                   |            | 17,250    | tbg sub               | 4.06        | 64.09      |
| Cased Hole Logging       |            | 0         | 54 jts 2-3/8 L-80 tbg | 1759.52     | 1823.61    |
| Perforating              |            | 0         | Mandrel               | 4.1         | 1827.71    |
| Stimulation              |            | 0         | 55 jts 2-3/8 L-80 tbg | 1792.22     | 3619.93    |
| Contract Labor           | 2,500      | 49,829    | Mandrel               | 4.1         | 3624.03    |
| N2, Air Services         |            | 0         | 52 jts 2-3/8 L-80 tbg | 1,694.33    | 5,318.36   |
| Slickline                |            | 2,500     | Mandrel               | 4.10        | 5,322.46   |
| Coil Tbg Services        |            | 0         | 50 jts 2-3/8 L-80 tbg | 1,629.15    | 6,951.61   |
| Flowback Services        |            | 0         | Mandrel               | 4.10        | 6,955.71   |
| Supervision              | 1,000      | 19,000    | 40 jts 2-3/8 L-80 tbg | 1,302.64    | 8,258.35   |
| Transportation           |            | 17,500    | Mandrel               | 4.10        | 8,262.45   |
| Miscellaneous            | 25,000     | 45,250    | 1 jt tbg              | 32.65       | 8,295.10   |
| Tubing                   |            | 41,500    | 1.87F Nipple          | 0.92        | 8,296.02   |
| Rods                     |            | 0         | Packer & On/Off Tool  | 9.60        | 8,305.62   |
| Wellhead                 |            | 0         | 1.81F nipple          | 0.92        | 8,306.54   |
| Tank Battery & Separator |            | 52,057    | 4' Perforated Sub     | 4.40        | 8,310.94   |
| Contingency              |            | 0         | X-over and sub        | 3.80        | 8,314.74   |
| Total                    | \$33,900   | \$398,786 | Guide Shoe            | 1.32        | 8,316.06   |
|                          |            |           | EOT                   |             | 8,316.06   |

Bottom of Fish 8335' +/-



# **PATARA OIL & GAS** **Daily Completion / Workover Report**

|            |              |             |              |
|------------|--------------|-------------|--------------|
| APB #      | 871          | Report Date | 4-Mar-11     |
| Well Name  | Lisbon B-810 | Supervisor  | Rex Thompson |
| Type Work  | Workover     |             |              |
| County     | San Juan     | State       | Utah         |
| Section    | 10           | Township    | 30S          |
|            |              | Range       | 24           |
| Daily Cost | \$85,000     | Cum Cost    | \$483,786    |

## **Status at Report Time:**

## **24 Hour Activity Detail**

Facilities: Added a 6' x 20' heater treater and a 500 MBTU/hr line heater on the gas lift line. Gas lift gas was 33 degrees off the Cryo compressor. With line heater, gas lift gas is now 120 degrees and will help control the paraffin buildup in the tbq. Well had plugged off with paraffin and could not be cut. Had to clean out with a coiled tbq unit on 3/4/11. This report includes costs of the new facilities and the cleanout work.

Well capable of 335 bopd, 200 mcfd and 10 bwpd. Injecting approximately 350 mcfd of gas lift gas. Total gas returns 550 mcfd.

## **Cost Breakdown**

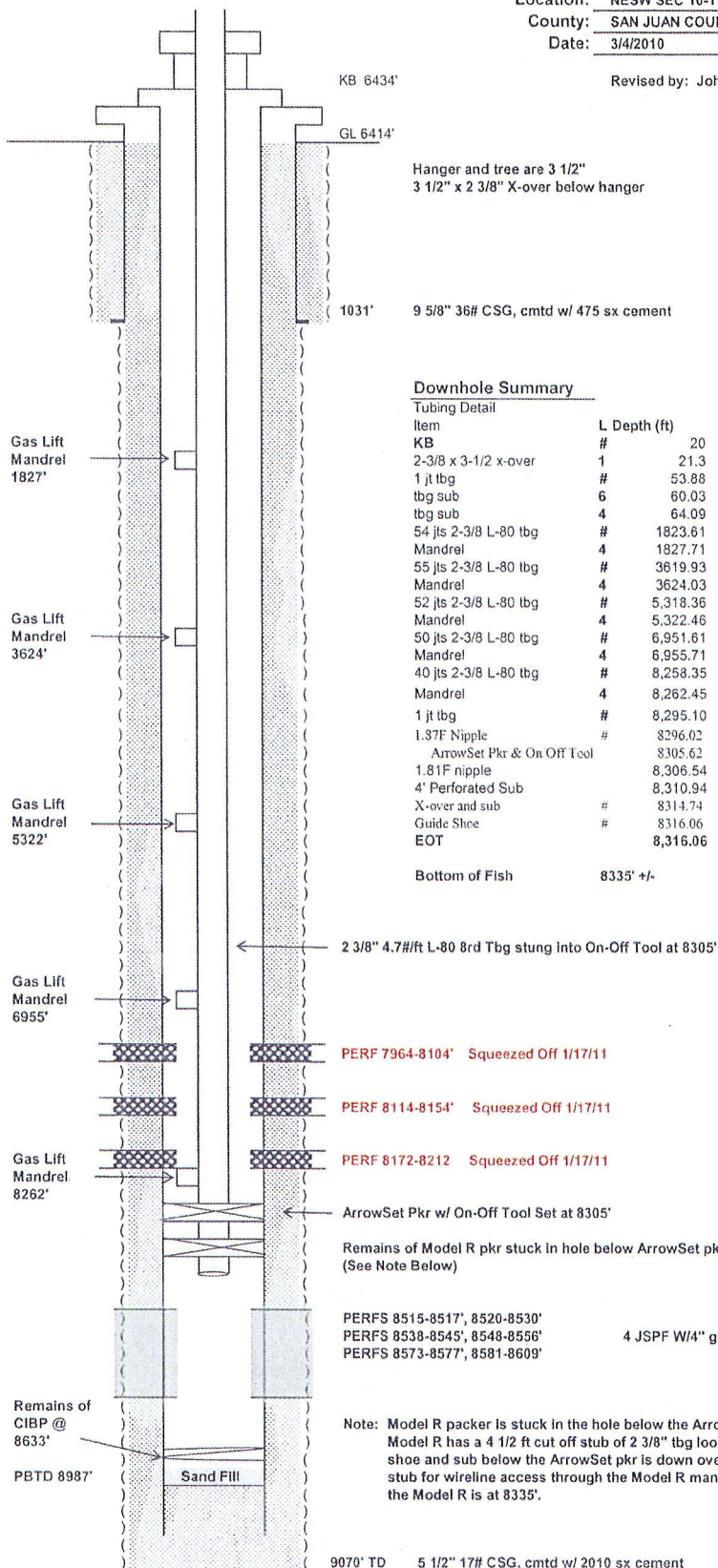
| Expenditure              | Daily Cost | Cum Cost  | Downhole Summary |             |            |
|--------------------------|------------|-----------|------------------|-------------|------------|
| Location                 |            | 6,500     | TD               |             |            |
| Completion Unit          |            | 108,400   | PBTD             |             |            |
| Snubbing Services        |            | 0         | Perforations     |             |            |
| Bits                     |            | 2,000     |                  |             |            |
| Rental                   |            | 23,800    |                  |             |            |
| Water                    | 1,500      | 14,700    |                  |             |            |
| Cement                   |            | 17,250    |                  |             |            |
| Cased Hole Logging       |            | 0         |                  |             |            |
| Perforating              |            | 0         |                  |             |            |
| Stimulation              |            | 0         |                  |             |            |
| Contract Labor           |            | 49,829    | Tubing Detail    |             |            |
| N2, Air Services         | 8,500      | 8,500     | Item             | Length (ft) | Depth (ft) |
| Slickline                |            | 2,500     | KB               |             |            |
| Coil Tbg Services        | 20,000     | 20,000    |                  |             |            |
| Flowback Services        |            | 0         |                  |             |            |
| Supervision              |            | 19,000    |                  |             |            |
| Transportation           |            | 17,500    |                  |             |            |
| Miscellaneous            |            | 45,250    |                  |             |            |
| Tubing                   |            | 41,500    | End of Tbg       |             |            |
| Rods                     |            | 0         |                  |             |            |
| Wellhead                 |            | 0         | Packer Depth     |             |            |
| Tank Battery & Separator | 55,000     | 107,057   |                  |             |            |
| Contingency              |            | 0         | End of Tailpipe  |             |            |
| Total                    | \$85,000   | \$483,786 |                  |             |            |

# WELLBORE DIAGRA

## McCRACKEN RECOMPLETION

Company: PATARA OIL & GAS, LLC  
 Lease Name: LISBON  
 Lease Number: B-810  
 Location: NESW SEC 10-T30S-R24E  
 County: SAN JUAN COUNTY  
 Date: 3/4/2010

Revised by: John Warren



### Downhole Summary

| Tubing Detail              |   |   |            |
|----------------------------|---|---|------------|
| Item                       | # | L | Depth (ft) |
| KB                         | 1 |   | 20         |
| 2-3/8 x 3-1/2 x-over       | 1 |   | 21.3       |
| 1 jt tbg                   | # |   | 53.88      |
| tbg sub                    | 6 |   | 60.03      |
| tbg sub                    | 4 |   | 64.09      |
| 54 jts 2-3/8 L-80 tbg      | # |   | 1823.61    |
| Mandrel                    | 4 |   | 1827.71    |
| 55 jts 2-3/8 L-80 tbg      | # |   | 3619.93    |
| Mandrel                    | 4 |   | 3624.03    |
| 52 jts 2-3/8 L-80 tbg      | # |   | 5318.36    |
| Mandrel                    | 4 |   | 5322.46    |
| 50 jts 2-3/8 L-80 tbg      | # |   | 6951.61    |
| Mandrel                    | 4 |   | 6955.71    |
| 40 jts 2-3/8 L-80 tbg      | # |   | 8258.35    |
| Mandrel                    | 4 |   | 8262.45    |
| 1 jt tbg                   | # |   | 8295.10    |
| 1.37F Nipple               | # |   | 8296.02    |
| ArrowSet Pkr & On-Off Tool |   |   | 8305.62    |
| 1.81F nipple               |   |   | 8306.54    |
| 4' Perforated Sub          |   |   | 8310.94    |
| X-over and sub             | # |   | 8314.74    |
| Guide Shoe                 | # |   | 8316.06    |
| EOT                        |   |   | 8316.06    |
| Bottom of Fish             |   |   | 8335' +/-  |



|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | FORM 9  |
|  |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU-014903 |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                 |
|  |  | 7. UNIT or CA AGREEMENT NAME:<br>LISBON               |
| 1. TYPE OF WELL<br>Oil Well  |  | 8. WELL NAME and NUMBER:<br>LISBON B-810              |
| 2. NAME OF OPERATOR:<br>PATARA OIL & GAS, LLC  |  | 9. API NUMBER:<br>43037314330000                      |
| 3. ADDRESS OF OPERATOR:<br>600 17th Street Ste 1900S, Denver, CO, 80202  |  | 9. FIELD and POOL or WILDCAT:<br>LISBON               |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1830 FSL 2450 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NESW Section: 10 Township: 30.0S Range: 24.0E Meridian: S   |  | COUNTY:<br>SAN JUAN                                   |
|  |  | STATE:<br>UTAH  |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |  |   |
|---|---|--|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                  | <input type="checkbox"/> ACIDIZE<br><br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION<br><br><input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION<br><br>OTHER: <input type="text" value="Coil Tbg Cleanout"/> |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>10/16/2012 |   |  |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   |   |  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  |   |  |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara has completed operations to clean out fill over the upper perforation on this well utilizing a coil tubing unit. The rig was able to clean out fill down to 8506 ft, but no further due to complications with the unit. Another cleanout will be scheduled for 2013. Please contact Christopher Noonan with any questions. Thank you.

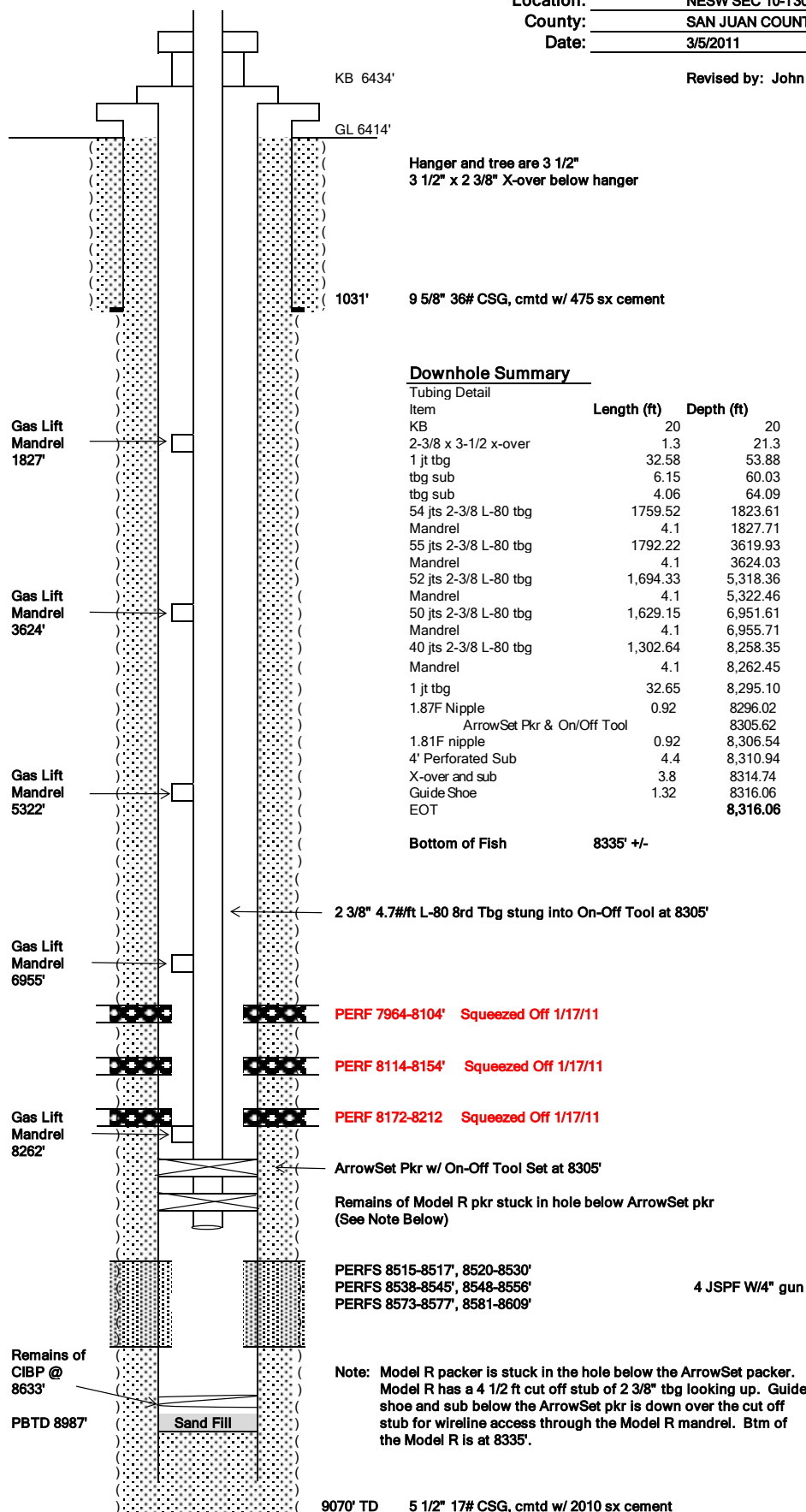
**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 23, 2012

|   |                              |   |
|---|------------------------------|---|
| NAME (PLEASE PRINT)<br>Christopher Noonan | PHONE NUMBER<br>303 563-5377 | TITLE<br>Supervisor: Regulations & Production |
| SIGNATURE<br>N/A                          |                              | DATE<br>10/22/2012                            |

**WELLBORE DIAGRAM****McCRACKEN RECOMPLETION**

Company: PATARA OIL & GAS, LLC  
 Lease Name: LISBON  
 Lease Number: B-810  
 Location: NESW SEC 10-T30S-R24E  
 County: SAN JUAN COUNTY  
 Date: 3/5/2011

Revised by: John Warren





Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING

CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/1/2012**

|   |  |
|---|--|
| <b>FROM:</b> (Old Operator):<br>N3670- Patara Oil & Gas, LLC<br>600 17th Street, Suite 1900S<br>Denver, CO 80202<br><br>Phone: 1 (303) 825-0685 | <b>TO:</b> ( New Operator):<br>N3645- CCI Paradox Upstream, LLC<br>600 17th Street, Suite 1900S<br>Denver, CO 80202<br><br>Phone: 1 (303) 825-0685 |
|---|--|

| CA No.            |             |  |  | Unit:  |           | Lisbon     |           |             |
|-------------------|-------------|--|--|--------|-----------|------------|-----------|-------------|
| WELL NAME         | SEC TWN RNG |  |  | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
| See Attached List |             |  |  |        |           |            |           |             |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/12/2013
- a. Is the new operator registered in the State of Utah: Business Number: 8523441-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 2/12/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/6/2013

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 2/12/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/12/2013
- Bond information entered in RBDMS on: 2/7/2013
- Fee/State wells attached to bond in RBDMS on: 2/12/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/4/2013

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 105865919
- Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 105865922
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

Patara Oil Gas, LLC (N3670) to CCI Paradox Upstream, LLC (N3945)

Effective 11/1/2012

Lisbon Unit

| Well Name                 | Section | TWN  | RNG  | API Number | Entity    | Lease Type | Well Type | Well Status |
|---------------------------|---------|------|------|------------|-----------|------------|-----------|-------------|
| BELCO ST 4 (LISBON B-816) | 16      | 300S | 240E | 4303716244 | 8123      | State      | WD        | A           |
| LISBON B-814              | 14      | 300S | 240E | 4303730082 | 8123      | Federal    | WD        | A           |
| LISBON A-715              | 15      | 300S | 240E | 4303716237 | 8123      | Federal    | WD        | I           |
| LISBON B-613              | 13      | 300S | 240E | 4303716240 | 8123      | Federal    | OW        | P           |
| NW LISBON USA A-2 (D-810) | 10      | 300S | 240E | 4303716471 | 8123/9740 | Federal    | GW        | P           |
| LISBON UNIT A-911         | 11      | 300S | 240E | 4303731014 | 8123      | Federal    | GW        | P           |
| LISBON B-614A             | 14      | 300S | 240E | 4303731351 | 9740      | Federal    | OW        | P           |
| LISBON B-810              | 10      | 300S | 240E | 4303731433 | 9740      | Federal    | OW        | P           |
| LISBON B-615              | 15      | 300S | 240E | 4303715123 | 8123      | Federal    | OW        | S           |
| LISBON B912               | 12      | 300S | 240E | 4303715769 | 8123      | Federal    | OW        | S           |
| LISBON C-69               | 09      | 300S | 240E | 4303716245 | 8123      | Federal    | OW        | S           |
| LISBON C-94               | 04      | 300S | 240E | 4303716247 | 8123      | Federal    | OW        | S           |
| LISBON UNIT D-84          | 04      | 300S | 240E | 4303716250 | 8123      | Federal    | OW        | S           |
| LISBON D-89               | 09      | 300S | 240E | 4303716251 | 8123      | Federal    | OW        | S           |
| LISBON B-84               | 04      | 300S | 240E | 4303730054 | 8123      | Federal    | OW        | S           |
| LISBON C-99               | 09      | 300S | 240E | 4303730693 | 8123      | Federal    | OW        | S           |
| LISBON B-94               | 04      | 300S | 240E | 4303730695 | 8123      | Federal    | OW        | S           |
| LISBON C-910              | 10      | 300S | 240E | 4303731323 | 8123      | Federal    | OW        | S           |

RECEIVED

JAN 23 2013

FORM 9

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS &amp; MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|  |  |  |
|--|--|--|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u> |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>n/a |
| 2. NAME OF OPERATOR:<br>Patara Oil & Gas LLC <u>N3670</u>  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>n/a   |
| 3. ADDRESS OF OPERATOR:<br>600 17th St. Ste. 1900S City Denver STATE CO ZIP 80202  |  | 7. UNIT or CA AGREEMENT NAME:<br>n/a           |
| PHONE NUMBER:<br>(303) 825-0685  |  | 8. WELL NAME and NUMBER:<br>Multiple           |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: n/a  |  | 9. API NUMBER:<br>n/a                          |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:   |  | 10. FIELD AND POOL, OR WILDCAT:<br>n/a         |

COUNTY: San Juan, UT

STATE:

UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |  |
|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____              | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>11/1/2012 | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, being effective November 1, 2012; CCI Paradox Upstream LLC (CCI).

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

NAME (PLEASE PRINT) Christopher A. Noonan TITLE Regulations & Production Reporting Supervisor  
SIGNATURE *Christopher A. Noonan* DATE 1/18/13

(This space for State use only)

APPROVED

FEB 12 2013

(5/2000)

DIV. OF OIL, GAS &amp; MINING

(See Instructions on Reverse Side)

BY: Rachel Medina

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|  |  |  |
|--|--|--|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u> |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>n/a |
| 2. NAME OF OPERATOR:<br>CCI Paradox Upstream LLC <u>N3945</u>  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>n/a   |
| 3. ADDRESS OF OPERATOR:<br>600 17th St. Ste. 1900S CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>                     |  | 7. UNIT or CA AGREEMENT NAME:<br>n/a           |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: <u>n/a</u>   |  | 8. WELL NAME and NUMBER:<br><u>Multiple</u>    |
| PHONE NUMBER: <u>(303) 825-0685</u>  |  | 9. API NUMBER:<br>n/a                          |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:   |  | 10. FIELD AND POOL, OR WILDCAT:<br>n/a         |

COUNTY: San Juan, UT

STATE: UTAH

| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |  |
|--|---|---|--|
| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____                     | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br><u>11/1/2012</u> | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI), hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, CCI, being effective November 1, 2012. The assets were previously operated by Patara Oil & Gas LLC (Patara) prior to sale.

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

Bond Number:  
BLM: 105865919  
State: 105865922

|  |  |
|--|--|
| NAME (PLEASE PRINT) <u>Christopher A. Noonan</u> | TITLE <u>Regulations &amp; Production Reporting Supervisor</u> |
| SIGNATURE <u>[Signature]</u>                     | DATE <u>2/6/2012</u>   |

(This space for State use only)

**APPROVED**

FEB 12 2013

DIV. OIL GAS & MINING

BY: Rachel Medina

**RECEIVED**

FEB 07 2013

Div. of Oil, Gas & Mining

# Exhibit I

BLM Form 3160-5 Transfer of Operator

Utah Form 9 Transfer of Operator

State of Utah Upstream Assets

01/09/2013

| API Well Number      | Operator             | Well Name                 | Well Status | Well Type           | Field Name           | County   | Qtr/Qtr | Section | Township-Range) |
|----------------------|----------------------|---------------------------|-------------|---------------------|----------------------|----------|---------|---------|-----------------|
| ✓ 43-037-15049-00-00 | PATARA OIL & GAS LLC | LISBON D-616              | Shut-In     | Oil Well            | LISBON               | SAN JUAN | NENE    | 16      | 30S-24E 1       |
| ✓ 43-037-15123-00-00 | PATARA OIL & GAS LLC | LISBON B-615              | Producing   | Oil Well            | LISBON               | SAN JUAN | NENW    | 15      | 30S-24E 2       |
| ✓ 43-037-15769-00-00 | PATARA OIL & GAS LLC | LISBON B912               | Shut-In     | Oil Well            | LISBON               | SAN JUAN | SESW    | 12      | 30S-24E 3       |
| ✓ 43-037-16219-00-00 | PATARA OIL & GAS LLC | BIG INDIAN UNIT 1         | Shut-In     | Oil Well            | BIG INDIAN (MADISON) | SAN JUAN | SENE    | 33      | 29S-24E 11      |
| ✓ 43-037-16221-00-00 | PATARA OIL & GAS LLC | BIG INDIAN 4              | Shut-In     | Gas Well            | BIG INDIAN (HERMOSA) | SAN JUAN | SWSW    | 14      | 30S-25E 5       |
| ✓ 43-037-16237-00-00 | PATARA OIL & GAS LLC | LISBON A-715              | Inactive    | Water Disposal Well | LISBON               | SAN JUAN | SWNW    | 15      | 30S-24E 6       |
| ✓ 43-037-16240-00-00 | PATARA OIL & GAS LLC | LISBON B-613              | Shut-In     | Oil Well            | LISBON               | SAN JUAN | NENW    | 13      | 30S-24E 7       |
| ✓ 43-037-16242-00-00 | PATARA OIL & GAS LLC | LISBON B-616              | Shut-In     | Oil Well            | LISBON               | SAN JUAN | NESW    | 16      | 30S-24E 8       |
| ✓ 43-037-16244-00-00 | PATARA OIL & GAS LLC | BELCO ST 4 (LISBON B-816) | Active      | Water Disposal Well | LISBON               | SAN JUAN | NESW    | 16      | 30S-24E 9       |
| ✓ 43-037-16245-00-00 | PATARA OIL & GAS LLC | LISBON C-69               | Shut-In     | Oil Well            | LISBON               | SAN JUAN | NWNE    | 9       | 30S-24E 10      |

|                      |                      |                           |           |                     |               |          |      |    |            |
|----------------------|----------------------|---------------------------|-----------|---------------------|---------------|----------|------|----|------------|
| ✓ 43-037-16247-00-00 | PATARA OIL & GAS LLC | LISBON C-94               | Shut-In   | Oil Well            | LISBON        | SAN JUAN | SWSE | 4  | 30S-24E 11 |
| ✓ 43-037-16250-00-00 | PATARA OIL & GAS LLC | LISBON UNIT D-84          | Shut-In   | Oil Well            | LISBON        | SAN JUAN | NESE | 4  | 30S-24E 12 |
| ✓ 43-037-16251-00-00 | PATARA OIL & GAS LLC | LISBON D-89               | Shut-In   | Oil Well            | LISBON        | SAN JUAN | NESE | 9  | 30S-24E 13 |
| 43-037-16469-00-00   | PATARA OIL & GAS LLC | LISBON U B-610            | Producing | Oil Well            | LISBON        | SAN JUAN | NENW | 10 | 30S-24E 14 |
| 43-037-16471-00-00   | PATARA OIL & GAS LLC | NW LISBON USA A-2 (D-810) | Producing | Gas Well            | LISBON        | SAN JUAN | NESE | 10 | 30S-24E 15 |
| 43-037-30054-00-00   | PATARA OIL & GAS LLC | LISBON B-84               | Shut-In   | Oil Well            | LISBON        | SAN JUAN | NESW | 4  | 30S-24E 16 |
| 43-037-30082-00-00   | PATARA OIL & GAS LLC | LISBON B-814              | Active    | Water Disposal Well | LISBON        | SAN JUAN | NESW | 14 | 30S-24E 17 |
| 43-037-30317-00-00   | PATARA OIL & GAS LLC | FEDERAL 15-25             | Shut-In   | Gas Well            | WILSON CANYON | SAN JUAN | SWSE | 25 | 29S-23E 18 |
| 43-037-30693-00-00   | PATARA OIL & GAS LLC | LISBON C-99               | Shut-In   | Oil Well            | LISBON        | SAN JUAN | SWSE | 9  | 30S-24E 19 |
| 43-037-30694-00-00   | PATARA OIL & GAS LLC | LISBON U D-610            | Shut-In   | Gas Well            | LISBON        | SAN JUAN | NENE | 10 | 30S-24E 20 |
| 43-037-30695-00-00   | PATARA OIL & GAS LLC | LISBON B-94               | Shut-In   | Oil Well            | LISBON        | SAN JUAN | SESW | 4  | 30S-24E 1  |
| 43-037-31014-00-00   | PATARA OIL & GAS LLC | LISBON UNIT A-911         | Producing | Gas Well            | LISBON        | SAN JUAN | SWSW | 11 | 30S-24E 2  |
| 43-037-31034-00-00   | PATARA OIL & GAS LLC | LISBON UNIT D-716         | Shut-In   | Oil Well            | LISBON        | SAN JUAN | SENE | 16 | 30S-24E 3  |
| 43-037-31323-00-00   | PATARA OIL & GAS LLC | LISBON C-910              | Shut-In   | Oil Well            | LISBON        | SAN JUAN | SWSE | 10 | 30S-24E 4  |
| 43-037-31351-00-00   | PATARA OIL & GAS LLC | LISBON B-614A             | Shut-In   | Oil Well            | LISBON        | SAN JUAN | NENW | 14 | 30S-24E 5  |
| 43-037-31433-00-00   | PATARA OIL & GAS LLC | LISBON B-810              | Producing | Oil Well            | LISBON        | SAN JUAN | NESW | 10 | 30S-24E 6  |

|                    |                      |                             |           |          |                      |          |      |    |            |
|--------------------|----------------------|-----------------------------|-----------|----------|----------------------|----------|------|----|------------|
| 43-037-31829-00-00 | PATARA OIL & GAS LLC | BIG INDIAN 35-24            | Shut-In   | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | SENE | 35 | 29S-24E 7  |
| 43-037-31831-00-00 | PATARA OIL & GAS LLC | BULL HORN U 10-43           | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SWSE | 10 | 30S-25E 8  |
| 43-037-31838-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA ST 36-14-29-24  | Producing | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NENE | 36 | 29S-24E 9  |
| 43-037-31843-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 9-14-30-25    | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NENE | 9  | 30S-25E 30 |
| 43-037-31848-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 15-14-30-25   | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NENE | 15 | 30S-25E 1  |
| 43-037-31849-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 10-21-30-25   | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NWSW | 10 | 30S-25E 2  |
| 43-037-31850-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 14-21-30-25  | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SWNW | 14 | 30S-25E 3  |
| 43-037-31853-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 5-6-30-25   | Producing | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | LOT6 | 5  | 30S-25E 4  |
| 43-037-31854-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 31-31-29-25 | Producing | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NWSW | 31 | 29S-25E 5  |
| 43-037-31855-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA ST 36-12-29-24  | Shut-In   | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NENW | 36 | 29S-24E 6  |
| 43-037-31856-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA ST 36-24-29-24  | Producing | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | SENE | 36 | 29S-24E 7  |
| 43-037-31859-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 15-24-30-25  | Shut-In   | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SWNW | 14 | 30S-25E 8  |
| 43-037-31860-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 14-42-30-25  | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SESW | 14 | 30S-25E 9  |
| 43-037-31861-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 10-42-30-25   | Shut-In   | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SESW | 10 | 30S-25E 40 |
| 43-037-31864-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 10-31-30-25   | Producing | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NWSW | 10 | 30S-25E 1  |
| 43-037-31877-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA ST 36-12B-29-24 | Producing | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NENW | 36 | 29S-24E 2  |

|                    |                      |                             |   |          |                      |          |      |    |            |
|--------------------|----------------------|-----------------------------|---|----------|----------------------|----------|------|----|------------|
| 43-037-31878-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA ST 36-24B-29-24 | Producing                                       | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | SENE | 36 | 29S-24E 3  |
| 43-037-31883-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 15-24B-30-25 | Shut-In   | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | SWNW | 14 | 30S-25E 4  |
| 43-037-31884-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 23-13B-30-25 | Approved permit (APD); not yet spudded          | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NWNE | 23 | 30S-25E 5  |
| 43-037-31885-00-00 | PATARA OIL & GAS LLC | BIG INDIAN FED 23-13-30-25  | Approved permit (APD); not yet spudded          | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NWNE | 23 | 30S-25E 6  |
| 43-037-31891-00-00 | PATARA OIL & GAS LLC | BULL HORN FED 15-13-30-25   | Producing                                       | Gas Well | BIG INDIAN (HERMOSA) | SAN JUAN | NENE | 15 | 30S-25E 7  |
| 43-037-31893-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 30-41-29-25 | Approved permit (APD); not yet spudded          | Gas Well | UNDESIGNATED         | SAN JUAN | SWSW | 30 | 29S-25E 8  |
| 43-037-31897-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 5-10-30-25  | Spudded (Drilling commenced: Not yet completed) | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | LT10 | 5  | 30S-25E 9  |
| 43-037-31901-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 25-43-29-24 | Approved permit (APD); not yet spudded          | Gas Well | UNDESIGNATED         | SAN JUAN | SWSE | 25 | 29S-24E 10 |
| 43-037-31902-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 25-41-29-24 | Producing                                       | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | SWSW | 25 | 29S-24E 1  |
| 43-037-31903-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 25-31-29-24 | Producing                                       | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NWSW | 25 | 29S-24E 2  |
| 43-037-31904-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 26-34-29-24 | Producing                                       | Gas Well | SOUTH PINE RIDGE     | SAN JUAN | NESW | 26 | 29S-24E 3  |



|                    |                      |                             |  |          |                  |          |      |    |            |
|--------------------|----------------------|-----------------------------|--|----------|------------------|----------|------|----|------------|
| 43-037-31905-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 26-23-29-24 | Approved permit (APD); not yet spudded | Gas Well | UNDESIGNATED     | SAN JUAN | SWNE | 26 | 29S-24E 4  |
| 43-037-31906-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 31-44-29-25 | Producing                              | Gas Well | SOUTH PINE RIDGE | SAN JUAN | SESE | 31 | 29S-25E 5  |
| 43-037-31907-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 31-33-29-25 | Producing                              | Gas Well | SOUTH PINE RIDGE | SAN JUAN | NWSE | 31 | 29S-25E 4  |
| 43-037-31909-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 31-22-29-25 | Approved permit (APD); not yet spudded | Gas Well | SOUTH PINE RIDGE | SAN JUAN | SENW | 31 | 29S-25E 7  |
| 43-037-31910-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 31-11-29-25 | Approved permit (APD); not yet spudded | Gas Well | SOUTH PINE RIDGE | SAN JUAN | NWNW | 31 | 29S-25E 8  |
| 43-037-50008-00-00 | PATARA OIL & GAS LLC | CISCO STATE 36-13           | Temporarily-Abandoned                  | Gas Well | WILDCAT          | SAN JUAN | NWNE | 36 | 31S-24E 9  |
| 43-037-50010-00-00 | PATARA OIL & GAS LLC | MIDDLE MESA FED 4-20-30-25  | Producing                              | Gas Well | SOUTH PINE RIDGE | SAN JUAN | SWNW | 4  | 30S-25E 60 |
| 43-037-50012-00-00 | PATARA OIL & GAS LLC | Lisbon 11-32MC              | Returned APD (Unapproved)              | Oil Well | UNDESIGNATED     | SAN JUAN | SWNE | 11 | 30S-24E 1  |
| 43-037-50013-00-00 | PATARA OIL & GAS LLC | Lisbon 14-11MC              | Approved permit (APD); not yet spudded | Oil Well | LISBON           | SAN JUAN | NWNW | 14 | 30S-24E 2  |
| 43-037-50014-00-00 | PATARA OIL & GAS LLC | Lisbon 10-44MC              | Approved permit (APD); not yet spudded | Oil Well | LISBON           | SAN JUAN | NWNW | 14 | 30S-24E 3  |

|                    |                         |                                  |   |             |                  |          |      |    |               |
|--------------------|-------------------------|----------------------------------|---|-------------|------------------|----------|------|----|---------------|
| 43-037-50015-00-00 | PATARA OIL<br>& GAS LLC | Lisbon 3-32MC                    | Approved<br>permit (APD);<br>not yet<br>spudded             | Oil Well    | LISBON           | SAN JUAN | NESE | 4  | 4<br>30S-24E  |
| 43-037-50016-00-00 | PATARA OIL<br>& GAS LLC | Lisbon 11-33MC                   | Approved<br>permit (APD);<br>not yet<br>spudded             | Oil Well    | LISBON           | SAN JUAN | NENW | 14 | 5<br>30S-24E  |
| 43-037-50017-00-00 | PATARA OIL<br>& GAS LLC | Lisbon 11-21MC                   | Approved<br>permit (APD);<br>not yet<br>spudded             | Gas<br>Well | LISBON           | SAN JUAN | NWSE | 10 | 6<br>30S-24E  |
| 43-037-50018-00-00 | PATARA OIL<br>& GAS LLC | Lisbon 3-43MC                    | Approved<br>permit (APD);<br>not yet<br>spudded             | Oil Well    | LISBON           | SAN JUAN | SESE | 3  | 7<br>30S-24E  |
| 43-037-50019-00-00 | PATARA OIL<br>& GAS LLC | Lisbon 10-33MC                   | Spudded<br>(Drilling<br>commenced:<br>Not yet<br>completed) | Oil Well    | LISBON           | SAN JUAN | NWSE | 10 | 8<br>30S-24E  |
| 43-037-50021-00-00 | PATARA OIL<br>& GAS LLC | Middle Mesa Fed<br>31-42-29-25   | Approved<br>permit (APD);<br>not yet<br>spudded             | Gas<br>Well | SOUTH PINE RIDGE | SAN JUAN | SESW | 31 | 9<br>29S-25E  |
| 43-037-50026-00-00 | PATARA OIL<br>& GAS LLC | Middle Mesa<br>Federal 5-8-30-25 | Approved<br>permit (APD);<br>not yet<br>spudded             | Gas<br>Well | SOUTH PINE RIDGE | SAN JUAN | NENE | 5  | 10<br>30S-25E |

|  |   |   |   |  |   |
|--|---|---|---|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>   |   |  |   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.   |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-014903  |   |  |   |
| <b>1. TYPE OF WELL</b><br>Oil Well   |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  |   |  |   |
| <b>2. NAME OF OPERATOR:</b><br>CCI PARADOX UPSTREAM, LLC   |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>LISBON (MCCRACKEN)  |   |  |   |
| <b>3. ADDRESS OF OPERATOR:</b><br>811 Main Street, Suite 3500 , Houston, TX, 77002   |   | <b>8. WELL NAME and NUMBER:</b><br>LISBON B-810   |   |  |   |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1830 FSL 2450 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESW Section: 10 Township: 30.0S Range: 24.0E Meridian: S  |   | <b>9. API NUMBER:</b><br>43037314330000   |   |  |   |
| <b>5. FIELD and POOL or WILDCAT:</b><br>LISBON   |   | <b>6. COUNTY:</b><br>SAN JUAN   |   |  |   |
| <b>7. STATE:</b><br>UTAH   |   |   |   |  |   |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>   |   |   |   |  |   |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>   |   |   |  |   |
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>9/12/2016</b><br><br><input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:<br><br><input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:<br><br><input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:   | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE<br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/> <input type="checkbox"/> CHANGE WELL STATUS<br/> <input type="checkbox"/> DEEPEN<br/> <input type="checkbox"/> OPERATOR CHANGE<br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/> <input type="checkbox"/> TUBING REPAIR<br/> <input type="checkbox"/> WATER SHUTOFF<br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING<br/> <input checked="" type="checkbox"/> CHANGE TUBING<br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/> <input type="checkbox"/> FRACTURE TREAT<br/> <input type="checkbox"/> PLUG AND ABANDON<br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/> <input type="checkbox"/> VENT OR FLARE<br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/> <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR<br/> <input type="checkbox"/> CHANGE WELL NAME<br/> <input type="checkbox"/> CONVERT WELL TYPE<br/> <input type="checkbox"/> NEW CONSTRUCTION<br/> <input type="checkbox"/> PLUG BACK<br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/> <input type="checkbox"/> TEMPORARY ABANDON<br/> <input type="checkbox"/> WATER DISPOSAL<br/> <input type="checkbox"/> APD EXTENSION<br/>           OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table> |   | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input checked="" type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION  | <input type="checkbox"/> ALTER CASING<br><input checked="" type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER  | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input style="width: 100px;" type="text"/> |   |  |   |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br><br><div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>CCI Paradox Upstream LLC (CCI) proposes to reconfigure tubing/components in order to convert to a rod pump to improve production.</p> </div> <div style="width: 35%; text-align: right;"> <p><b>Accepted by the</b><br/> <b>Utah Division of</b><br/> <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>August 31, 2016</u></p> <p><b>By:</b> <u><i>[Signature]</i></u></p> </div> </div> |   |   |   |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Chrissy Schaffner  | <b>PHONE NUMBER</b><br>281-714-2966   | <b>TITLE</b><br>Regulatory Specialist   |   |  |   |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>8/23/2016  |   |   |  |   |